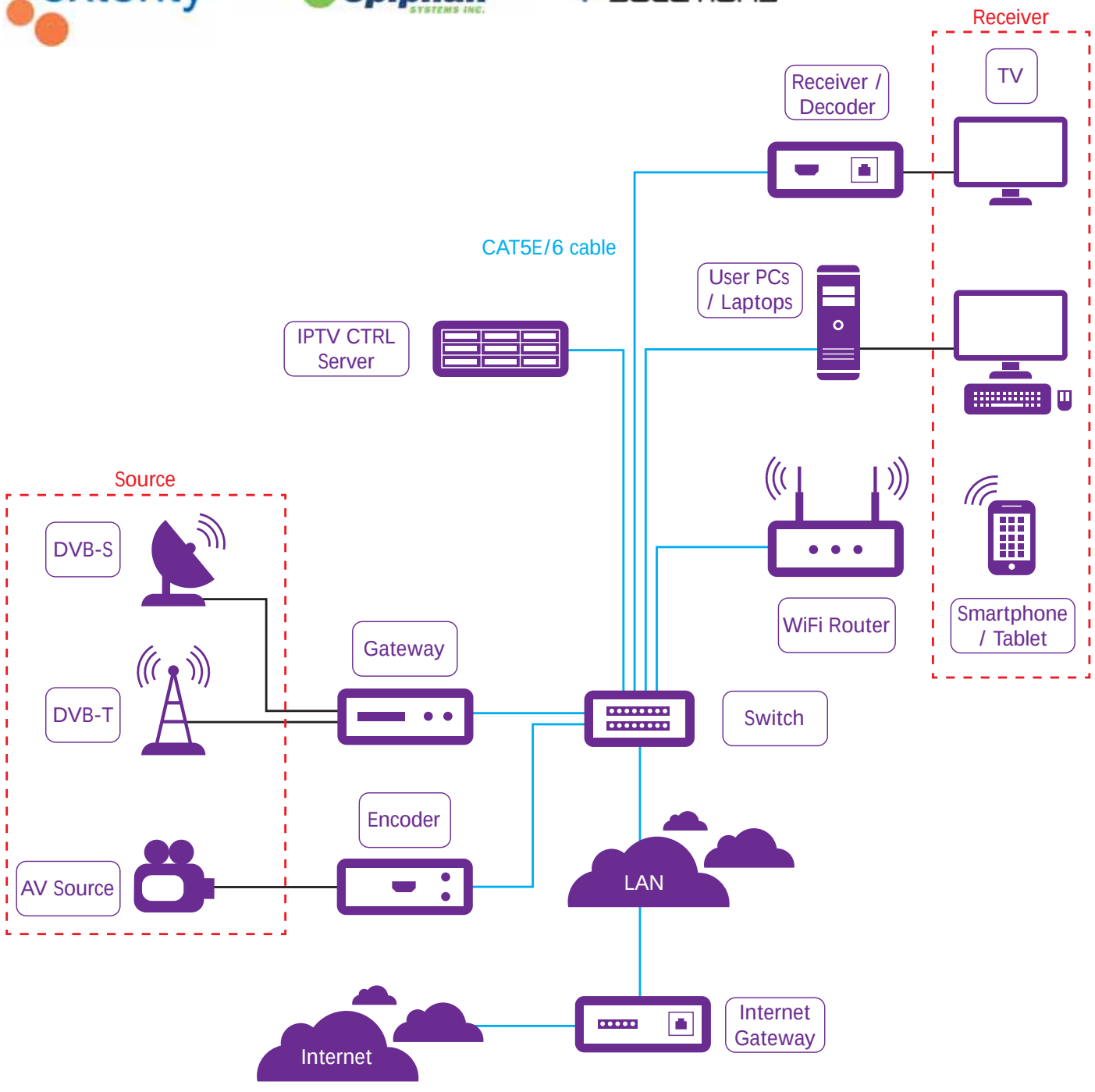
IPTV

What is IPTV?
Traditional television is based on signal distribution via a coax network. When used in professional networks the video quality is poor; after all, the more televisions are connected to the corporate network, the poorer the quality of the video. Coax networks are also subject to interference and also have a limited channel capacity.

With the rise of streaming media technology the traditional coaxial network is not future-proof. With coaxial cabling a digital conversion of signals is required by means of additional equipment. Therefore, a new way of signal distribution has been developed: IPTV.

IPTV, Internet Protocol Television, is the distribution of audio, video and/or data over a wireless or UTP computer network and consists of several components:

- A source: the device that sends the signal that has to be distributed. This could be a satellite, PC, DVD or camera. In the case of a satellite, a gateway is used to convert a DVB signal to IP; for a source such as a PC, camera or DVD an encoder converts the signal to IP.
- The distribution network: the transport medium for audio/video signals. In most cases this is a computer network using UTP cabling (in combination with a network switch) or a wireless network (WiFi, in combination with a router).
- A receiver: the device from which the distributed signal is viewed. This can be, for example, a television (then the addition of a set-top box is required) or a PC (where conversion occurs via codec), but also a tablet or a smartphone (with the intervention of a WiFi router).



What are the advantages of IPTV?
As a modern television signal distribution system, IPTV provides a number of benefits compared to a traditional television network:

- Increased capacity: the number of receiving channels is limited only by the provider; the channel range can be configured by the administrator.
- A large scalability: IPTV service can be provided at any point in the network.
- A consistently high quality: high quality video from SD to HD resolutions can be offered to every display in the network.
- A comprehensive management functionality: the IPTV system can be managed and controlled with one system from any point in the network.
- More flexibility: television can be viewed from a PC and/or TV.
- When a wireless network (WiFi) is used, television is also accessible from a smartphone or tablet.
- The availability of interactive features, such as VOD (video on demand), time shifting (recording a program to a storage medium for later viewing), and MOD (music on demand).
- An electronic program guide (EPG) provides a quick overview of the programs on all available TV channels.

Which markets apply IPTV?
Many industries opt for superior image quality, flexibility and scalability of an IPTV solution, including:

Broadcasting

Shopping centres

Public events

In-house video

Hotels/hospitality

Airports

Education

Corporate

Stages

Healthcare

Finance

Oil & Gas

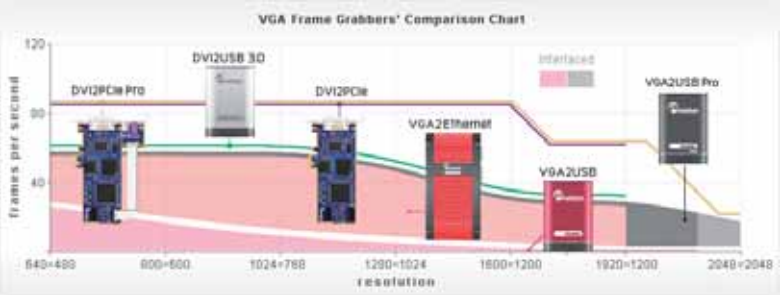
The benefits of working with the dedicated Intronics Audio/Video team

- ✓ Actual technical and commercial knowledge
- ✓ Advice and support
- ✓ Testing and demonstration in fully equipped in-house testing area
- ✓ Answers to the most topical questions of audio visual applications
- ✓ Extensive support for installation and deployment
- ✓ Possibility of hiring technical support

Are you looking for an IPTV solution and do you want advice? Please contact our Audio/Video sales team.

FRAME GRABBERS

Here is an overview of the VGA Frame Grabberes with resolution and frames per second (fps).



VGA2USB FRAME GRABBER

A frame grabber has the function to capture, record and broadcast a VGA signal at a high frame rate via a computer with a monitor. The maximum resolution is 2048x1536 at a frame rate of 2 fps. The package includes a VGA cable (male/male), an USB A to USB B mini cable, a VGA splitter, and a male to male VGA adapter.

- Easy in use
- External capture from any VGA source

Technical specifications

Max. resolution	: 1920 x 1200 @ 85 Hz
Connectors	: 1x HD D-Sub 15-pins (female), 1x USB type mini B (female)
Resolution/Frame rate	: 640x480 @ 28 fps, 1920 x 1200 @ 3.1 fps
Interface	: USB 2.0
Max. sample rate	: 230 MPixel/s
OS Support	: Windows 2000, Windows XP, Windows Vista, Windows 7, Max OS X 10.3 and up, Linux (x86, x86_64)
Power	: Bus powered

Type no.	Supplier no.	Type
EH1000	VGA2USB	VGA2USB

VGA2USB LR FRAME GRABBER

With this very compact VGA2USB LR frame grabber, you are able to capture resolutions up to 1280x1024 frames within a 24-bit color pattern. The fps is at least 30 fps. This device is suitable for industrial, medical, scientific and military applications. The package includes a VGA splitter, universal power adapter, manual and the necessary VGA and USB cables.

- Progressive scan, 100% lossless compression
- No external power required

Technical specifications

Max. resolution	: 1920 x 1080
Connectors	: 1x HD D-Sub 15-pins (female), 1x USB mini B (female)
Resolution/Frame rate	: 640x480 @ 60 fps, 1920x1080 @31 fps
Interface	: USB 1.1 and USB 2.0
Max. sample rate	: 120 MPixel/s
OS Support	: Windows 2000, Windows XP, Windows Vista, Windows 7, Mac OS X 10.3 and up, Linux (x86, x86_64)
Power	: Bus powered

Type no.	Supplier no.	Type
EH1002	VGA2USB LR	VGA2USB LR

VGA2USB HR FRAME GRABBER

With this VGA2USB HR frame grabber, you can capture images up to resolutions of 1600x1200 within a 24-bit color pattern at a maximum of 30 fps. The device is very suitable for capturing very high resolution images. The package includes a VGA cable (male/male), a VGA splitter, a power adapter, a male/male VGA adapter and a USB A-to-mini USB B cable.

- Including VGA cable, USB A to USB B mini plug

Technical specifications

Max. resolution	: 1600 x 1200
Connectors	: 1x HD D-Sub 15-pins (female), 1x USB mini B (female)
Resolution/Frame rate	: 640x480 @ 60 fps, 1600x1200 @ 33 fps
Interface	: USB 1.1 and USB 2.0
Max. sample rate	: 270 MPixel/s
OS Support	: Windows 2000,Windows XP, Windows Vista, Windows 7, Mac OS X 10.3 and up, Linux (x86, x86_64)
Power	: 5V DC (enclosed)

Type no.	Supplier no.	Type
EH1004	VGA2USB HR	VGA2USB HR

VGA2USB PRO FRAME GRABBER

With this VGA2USB PRO frame grabber, you can capture high VGA resolutions. Maximum resolution for this device is 2048x2048 within a 24-bit color pattern. It is suitable for military, scientific, industrial and educational applications. The package includes a VGA cable (male/male), a VGA splitter, a power adapter, a male/male VGA adapter and a USB A-to-mini USB B cable.

Technical specifications

Max. resolution	: 2048 x 2048 (VGA)
Connectors	: 1x HD D-Sub 15-pins (female), 1x USB mini B (female)
Resolution/Frame rate	: 640x480 @ 60 fps, 2048x2048 @ 18 fps
Interface	: USB 1.1 and USB 2.0
Max. sample rate	: 270 MPixel/s
OS Support	: Windows 2000, Windows XP, Windows Vista, Windows 7, Mac OS X 10.3 and up, Linux (x86, x86_64)
Power	: 5V DC (enclosed)

Type no.	Supplier no.	Type
EH1006	VGA2USB PRO	VGA2USB Pro

VGA2ETHERNET FRAME GRABBER

The VGA2Ethernet is a compact DVI/VGA frame grabber, capable of capturing DVI and VGA signals with a resolution of up to 1920x1200 at a maximum frame rate of 120 fps. The device has a 3.5 mm audio input connection. It is suitable for high speed and precision applications in the medical and military industry.

Technical specifications

Max. resolution	: 1920 x 1200 (DVI), 1920 x 1080 (VGA)
Connectors	: 2x DVI-I, 2x RJ-45 UTP, 1x USB type A, 1x 3.5 mm (all female)
Resolution/Frame rate	: 640x480 @ 60 fps, 1920x1080 @ 36 fps
Interface	: RJ-45 Gigabit Ehternet
Max. sample rate	: 270 MPixel/s
OS Support	: Windows 2000, Windows XP, Windows Vista, Windows 7, Mac OS X 10.4 and up, Linux (x86, x86_64)
Power	: 5V DC (enclosed)

Type no.	Supplier no.	Type
EH1008	VGA2ETHERNET	VGA2Ethernet

VGA GRID/4X VGA2PCIE

Epiphan's VGAGrid™ allows the recording of multiple VGA/DVI and HDMI displays or camera sources, analog composite and S-Video sources, including audio sources. This ensures for an administrator to select a combination of sources and to send these to one or multiple channels. Each output channel can then be viewed, recorded and played back with different layouts and special effects.

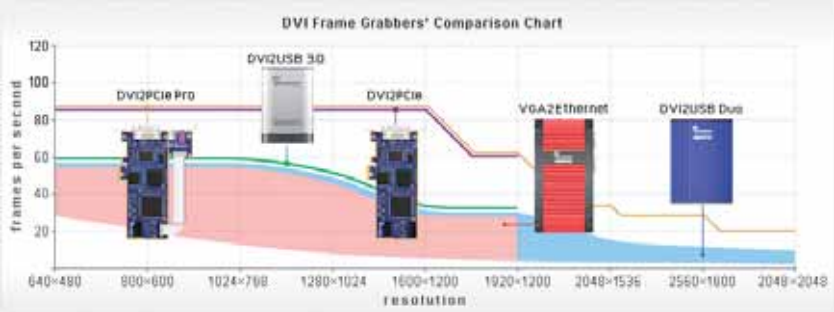
Technical specifications

Max. resolution	: 1600x1200 @ 85 Hz
Connectors	: DVI, USB, RCA Audio (female)
Number of channels	: 1 - 256
Compression	: MPEG4, H.264, MJPEG, Flash

Type no.	Supplier no.	Type
EH8020	VGA GRID	VGA Grid/4x VGA2PCIe

FRAME GRABBERS

Here is an overview of the DVI Frame Grabberes with resolution and frames per second (fps).



DVI2USB DUO FRAME GRABBER

The DVI2USB duo is a compact device, specifically designed to capture single- and dual-link DVI signals. The maximum resolution for the device is 2048x2048 at a frame rate of 30 fps. The transfer rate for this functionality contains 330 megapixels per second, compressing the stream on the fly and transferring the compressed stream to a computer with an USB interface. The images can then be sent to the public.

Technical specifications

Max. resolution	: 2048 x 2048 or 2560 x 1600 in widescreen, dual-link
Connectors	: 1x DVI-D (female), 1x USB mini B (female)
Resolution/Frame rate	: 640x480 @ 60 fps, 2048x2048 @ 14 fps
Interface	: USB 2.0
OS Support	: Windows 2000, Windows XP, Windows Vista, Windows 7, Mac OS X 10.3 and up, Linux
Power	: 5V DC (enclosed)

Type no.	Supplier no.	Type
EH1032	DVI2USBDUO	DVI2USB Duo

DVI2USB SOLO FRAME GRABBER

The DVI2USB Solo is suitable for capturing video images from HDMI and DVI outputs, with a maximum resolution of 1920x1200 at a frame rate of 30 fps. As this device does not compress captured images or video, the user can select any codec for compressing. Free software is included for this specific purpose.

Technical specifications

Max. resolution	: 1920x1200
Connectors	: 1x DVI-D (female), 1x USB mini type B (female)
Resolution/Frame rate	: 640x480 @ 60 fps, 1920x1200 @ 32 fps
Interface	: USB 2.0
OS Support	: Windows 2000, Windows XP, Windows Vista, Windows 7
Power	: 5V DC (enclosed)

Type no.	Supplier no.	Type
EH1034	DVI2USBSOLO	DVI2USB Solo

VGA PRINTER

Epiphan VGA Printer™ is a unique One-Touch Specialized Video Source Printing Solution that can print a VGA display or DVI or HDMI video display signal output to a standard postscript printer with the push of a button.

Technical specifications

Max. resolution	: 1920x1200
Connectors	: 2x DVI-I, 2x USB, 2x RJ-45, 1x RS-232 (all female)
Power	: 5V DC (enclosed)

Type no.	Supplier no.	Type
EH8003	VGA PRINTER	VGA Printer

DVI2PCIE

De DVI2PCIe™ is Epiphan's capture card internal frame grabber with a single-link DVI/VGA input. DVI2PCIe can capture video from any single link DVI, unencrypted HDMI video, VGA, or BNC/component video source up to 80 fps. Full HD can be captured at a capture rate of 30 fps for 1080p video and video sources at any resolution up to 1920x1200 are supported.

Technical specifications

Max. resolution	: 1920x1200 @ 35 fps
Connectors	: 1x DVI-I (female)
Interface	: PCI Express
OS Support	: WIndows 2000, XP, Vista, Windows 7, Max OS X 10.4 and higher

Type no.	Supplier no.	Type
EH8026	DVI2PCIE	DVI2PCIe

DVI2USB FRAME GRABBER

The DVI2USB is the only external dual mode (VGA and DVI) frame grabber that can capture and broadcast images and video from any device with a monitor to a computer with an USB interface. This can be achieved for a maximum resolution of 1920x1200 at a frame rate of 32 fps. It is specifically designed for medical and military applications. The package includes a DVI cable (male/male), DVI to VGA cable (male/male), USB A-to-USB mini B cable, VGA Y-splitter and a power adapter.

Technical specifications

Max. resolution	: 1920x1200
Connectors	: 1x DVI-I (female), 1x USB mini B (female)
Resolution/Frame rate	: 640x480 @ 60 fps, 1920x1200 @ 32 fps
Interface	: USB 1.1 and USB 2.0
OS Support	: Windows 2000, Windows XP, Windows Vista, Windows 7, Mac OS X 10.4 and up, Linux (x86, x86_64)
Power	: 5V DC (enclosed)

Type no.	Supplier no.	Type
EH1030	DVI2USB	DVI2USB Frame Grabber

DVI2USB 3.0 FRAME GRABBER

Epiphan's DVI2USB 3.0 is a versatile, high performance frame grabber capture device that performs lossless capture of HD video (1920x1200/1920x1080) from HDMI, DVI, or VGA at 30 frames per second over USB 3.0.

Technical specifications

Interface	: USB 3.0
Connectors	: DVI-I, USB 3.0 Type B
Input	: VGA and DVI
Max. resolution	: 1920x1200
OS Support	: Windows XP, Mac OS X, Linux

Type no.	Supplier no.	Type
EH2007	DVI2USB3.0	DVI2USB 3.0 Frame Grabber

DVI2PCIE PRO FRAME GRABBER

Epiphan Systems™ DVI2PCIe Pro™ is Epiphan's PCIe capture card internal lossless frame grabber with a single-link DVI/VGA input. DVI2PCIe Pro can capture video up to 2048×2048, from any single link DVI, dual Link DVI, unencrypted HDMI video, VGA, or BNC/component video source up to 85 FPS. 2048×2048 can be captured at 20 FPS. Full 1080p HD can be captured at a capture rate of 60 frames per second for 1080p video sources. DVI2PCIe Pro also comes with a second SD capture channel for S-video/composite and audio sources from balanced and unbalanced audio source

Technical specifications

Interface	: PCI-Express x1, x4
Connectors	: 1x DVI-I, 1x S-Video, 2x TRS 1/4", 1x 3.5 mm jack
Max. resolution	: 2048 x 2048
OS Support	: Windows 2000,XP,Vista, Windows 7, Mac OS X 10.4 and up, Linux

Type no.	Supplier no.	Type
EH2008	DVI2PCIe PRO	Type

LECTURE RECORDERS

LECTURE RECORDER X2 16GB

The Epiphan Lecture Recorder™ (ELR) is Epiphan's DVI/VGA and audio capture device designed for educational and training institutions, classrooms and conference halls that want to record lectures, presentations and training sessions.

Technical specifications

Max. resolution	: 1920 x 1080 @ 30 fps
Connectors	: 2x DVI-I, 1x Composite Audio, 2x RJ-45 (female)
Power	: 5V DC

Type no.	Supplier no.	Type
EH8022	Lecture Recorder X2	Lecture Recorder x 2

MULTICHANNEL RECORDERS

VGADVI RECORDER

Epiphan VGADVI Recorder™ is a stand-alone appliance for recording and/or streaming video display and camera sources.

Technical specifications

Max. resolution	: 1920 x 1200
Connectors	: 2x DVI-I, 3.5 mm jack, 2x USB 2.0, 1x S-Video, 1x RJ-45 (female)
Compression	: H.264, MPEG-4, MJPEG
Storage space	: 32GB

Type no.	Supplier no.	Type
EH2003	VGADVI RECORDER	VGADVI Recorder

VGA BROADCASTERS

VGADVI BROADCASTER

VGADVI Broadcaster captures an HD video source such as a computer monitor, RADAR display or ultrasound monitor as well as an SD video source such as a camera feed. VGADVI Broadcaster then streams these inputs as two synchronized time-stamped streams or one picture-in-picture stream.

Technical specifications

Max. resolution	: 1920 x 1200
Connectors	: DVI-I single-link, 3.5 mm jack, 1x S-Video, 2x USB 2.0 (all female)
Storage space	: 8 GB
Frame rate	: 30 fps @ 1920x1080
Interface	: RJ-45 UTP

Type no.	Supplier no.	Type
EH8029	VGADVI Broadcaster	VGADVI Broadcaster

tvONE

tvONE is a leading designer and manufacturer of advanced, professional video and multimedia solutions based on its proprietary CORIO® video conversion technology. tvONE develops all-in -one system solutions, window processors, scan converters, seamless switchers, video scalers, up/down/cross converters, analog-to-digital converters (SD/HD-SDI, HDMI, DVI), format converters and standard converters.

An impression of the solutions of tvONE:

- **CORIOmaster**
  See the next page.
- **CORIOmatrix**
  See the next page.
- **Converters**
  tvONE Down converters convert high resolution images to lower resolution images. tvONE Up converters convert low resolution images to higher resolution images. Cross converters switch between PC and HDTV resolutions.
- **Video scalers**
  tvONE video scalers offer video conversion and can switch between multiple input and output signals; input and output formats of computer and video can be adjusted.

Edge blending

- **Edge blenders**
  With the edge of blenders tvONE multiple input signals can be merged into one single image. The edge blender ensures images merge seamlessly.
- **Multiviewers**
  Multiviewers display multiple video images in different windows on one screen.
- **Delay lines**
  Delay lines delay an audio/video signal in r elation to the input signal of a system.
- **Signal processors**
  Signal processors are used for editing video and creating effects such as picture-in-picture (PiP).
- **Video/audio extenders**
  tvONE extenders extend video (DVI, HDMI, VGA) and audio signals.

tvONE also offers distribution amplifiers, (seamless) switchers and more.

Creative video wall design, rotation and PIP

CORIOmax: maximum possibilities and efficiency in video processing

tvONE's CORIOmax product family consists of devices - existing on basis of the CORIO3 technology – that offer maximum possibilities and efficiency in video processing in one chassis. At this moment, it consists of the CORIOmatrix and the CORIOmaster. They both consist of a 4U 19" chassis with 16 slots. This allows for flexible configuration of universal I/O modules. These I/O modules are available in 2 and 4 HD-SDI in and outputs.

The input/outputmodules are equipped with 3G-SDI, SD/HD-SDI or DVI-U connections. DVI-U can function with all digital and analog formats and is comparable with DVI-I. With DVI-U adapters various video formats from composite to HDMI can be used. The CORIOmax can automatically recognize and configure incoming and outcoming signals.

Control of the CORIOmax can be done via IP or serial by means of the existing interface card in the chassis. The systems are software controlled and can be qualified as very efficient and modern products that replace many devices for video processing.

Front / Back / I/O module

The CORIOmatrix
The CORIOmatrix by tvONE is a modular audio/videomatrix with 16 slots by which a maximum of 32 I/O (64 for HD-SDI) combinations are possible. This device enables you to switch between incoming videosignals to freely choosable output formats and resolutions. It supports up, down and cross conversion; there can be converted from low to high resolutions and vice versa. For the CORIOmatrix an output module without scaling is available.

Exclusively available for the CORIOmatrix is an audio module card including AES and analog I/O's and audio delay. The CORIOmatrix can also be provided with a monitor module: with this module in and outputs can be seen via 1 or 2 outpunt channels. This module can also be used as a preview option.

The monitormodule

The CORIOmaster
The CORIOmaster is the most advanced product. With the CORIOmaster you can use various conversions on video formats. Up/down/cross conversion between various formats are possible. Other key features as video wall design, edge blending and multiviewing can be applied with the CORIOmaster. Further advanced functionalities are realtime 360° window and output rotation, independent PIP-displays (picture and picture) and bent screen projection. What is truly special, is that all these functionalities can be done at the same time. By means of firmware updates, extra functionalities can be added and current can be extended.

The CORIOmaster mini
The CORIOmaster mini is the little brother of the CORIOmaster. The CORIOmaster mini offers exactly the same features as the CORIOmaster, but differs in the following respects:

- It enables 1 layout (instead of 4).
- It comes with 1 DVI-U input module (with 2 DVI ports). However, the CORIOmaster mini is expandable up to 6 I/O modules.
- The chassis is 1U (instead of 4U).

For more information about these products and technologies, please contact our Audio/Video sales team.

PC/HD CROSS CONVERTER

This video scaler is a cross converter for PC and HD formats and resolutions. The input resolution is automatically detected and can either be in RGBHV, YPbPr or YUV format. Output resolutions up to 1920x1200 and 1080p are accommodated.

Technical specifications

Max. resolution	: 1920x1200, 1080p @ 60 Hz
Video in	: 1x RGBHV, YPbPr, YUV via HD D-Sub 15-pins (female)
Video out	: 1x RGBHV, YPbPr via HD D-Sub 15-pins (female)
Power	: 12V DC @ 1 A (enclosed)

Type no.	Supplier no.	Type
TN8014	1T-PC1280HD	HD PC/HD Scaler

PC/HD UP-CONVERTER

This video scaler is an ultra compact video to analog PC/HD up-converter that features inputs for Composite Video, YC (S-Video) and Component 480i or 576i YUV Video. The output resolution and refresh rate can be selected from a wide variety of presets up to 1600x1200 and 1080p. PC and HD resolutions are available in analog RGBHV and HD resolutions are also available in analog YPbPr format. The integral processor provides control over many signal parameters, such as Contrast, Brightness, Color and Hue (NTSC). The unit is 5VDC powered and the Power Adapters are included. Locking DC Connectors are provided for security.

Technical specifications

Max. resolution	: 1080p @ 60 Hz
Video in	: 1x Composite RCA, 1x S-Video 4-pins, 1x 8-pins Mini-Din to RCA (female)
Video out	: 1x RGBHV/YPbPr via HD-15 (female)
Power	: 5V DC @ 2 A (enclosed)

Type no.	Supplier no.	Type
TN8032	1T-V1280HD-ST	HD Video Scaler

HDMI UP EN CROSS CONVERTER

The 1T-VS-658 video scaler is a professional up and cross converter with an HDMI output. Fully scaleable video inputs include HDMI, DVI (via the HDMI connector), analog RGB via HD-15, analog YPbPr or 480i/576i, YUV Component via three RCA, YC and composite video. It handles I/O resolutions up to 1080p and WUXGA. Both digital and analog audio processing is supported and audio delays of up to 150ms can be introduced to ensure lip sync. Five analog stereo and an S/P-DIF coaxial digital audio input can be selected for embedding into the HDMI output. A separate coaxial digital audio output is also provided.

- Power supply is locking.
- Both analog and digital audio capable.

Technical specifications

Max. resolution	: 1080p @ 60 Hz
Video in	: 1x HDMI, 1x HD D-Sub 15-pins, 1x RCA, 1x S-Video, 1x Composite (female)
Video out	: 1x HDMI (female)
Audio in/out	: In: S/PDIF, RCA, 3.5mm. Out: S/PDIF (all female)
Power requirements	: 5V DC @ 2 A (enclosed)
Control method	: Via buttons and joystick, via IR remote control, via DB-9

Type no.	Supplier no.	Conversion method
AB1008	1T-VS-658	Up, cross conversion

UNIVERSAL I/O VIDEO SWITCHER/SCALER

C2-2350A Universal I/O Video Switcher/Scaler is based on TV One's exclusive CORIO®2 technology and provides high quality bi-directional conversion between a variety of video formats. Inputs and Outputs can be DVI, RGB, YUV, YPbPr, Composite or S-Video (YC).
Incoming video parameters may be adjusted. All settings are stored in non-volatile memory and are retained even when power is switched off. Ten user defined presets are also available to customize settings for various applications. The high resolution RGB/YPbPr output is selectable as virtually any PC or HDTV resolution. NTSC, PAL, PAL-M, PAL-N, SECAM standards are supported. All the functions can be controlled via the front panel Push Buttons, Infrared, RS-232 or IP. CORIOtools Suite, Windows Control Panel and most third party control systems interface directly with the entire C2 range of products. A front panel LCD makes setup easy. The unit is housed in a desktop case and an optional rackmount kit is available that holds one or two units.

Technical specifications

Max. resolutie	: PC: 2048x2040. HD: 1080p @ 60 Hz
Video in	: 1x Composite, S-Video, YUV/YPbPr,SD/HD-SDI via BNC (female)
Video out	: 1x Composite, YUV/YPbPr via BNC, 1x S-Video (female)
Computer in	: 1x HD D-Sub 15 pin, 1x DVI-D (female)
Computer out	: 1x DVI-I, 1x RGB via HD-15 (female)
Power	: 12V DC @ 1.5 A (enclosed)

Type no.	Supplier no.	Type
TN8060	C2-2350A	Universal I/O video switcher/scaler

VIDEO SCALERS

AVT-3320 ANALOG VIDEO TO UXGA SCALER

AVT-3320 Analog Video to UXGA Scaler allows you to view virtually any standard analog format television video source in high resolution on a PC Monitor. It has both Composite Video and S-Video inputs that can be up converted to XGA, SXGA or UXGA outputs. It's intended to be used with an NTSC or PAL analog video signal originating from a VCR, DVD or video game. The output resolution is switch selectable as desired. Weighing less than a half pound and housed in a durable, ergonomically friendly enclosure, this product can be expected to provide years of trouble free service.

Technical specifications

Max. resolution	: 1600x1200
Video in	: 1x Composite via RCA, S-Video 4-pins (female)
Video out	: 1x HD D-Sub 15-pins (female)
Power	: 5V DC (enclosed)

Type no.	Supplier no.	Type
TN2025	AVT-3320	Analog to UXGA Scaler

PC/HD DVI VIDEO SCALER

The 1T-VS-558 Video Scaler is a high bandwidth, professional Cross converter for analog and DVI formats. This allows you to easily switch from analog to DVI format and vice versa. The unit has separate analog inputs and outputs via HD-15 and DVI-I. Maximum resolution WUXGA and 1080p. The unit accepts 480i or 576i YUV interlaced analog component video.

- Auto adjust button for automatic size.
- Locking power supply.

Technical specifications

Max. resolution	: WUXGA up to 1080p
Video in	: 1x DVI-I, 1x HD D-Sub 15-pins, 1x RCA (all female)
Video out	: 1x DVI-I, 1x HD D-Sub 15-pins (all female)
Power	: 5V DC @ 2 A (enclosed)
Control method	: Locally, via RS-232 or remote control

Type no.	Supplier no.	Conversion method
AB1006	1T-VS-558	Cross conversion

VGA, DVI CONVERTER/SCALER

This VGA-DVI, DVI-VGA converter/scaler is an ultra compact, high performance product designed to meet the most demanding requirements for signal conversion. This model converts analogue to DVI. A wide variety of PC and HDTV resolutions are supported.

- Ultra compact device.
- Power adapter is locking.

Technical specifications

Max. resolution	: 1920 x 1080i @ 60 Hz
Video in	: 1x HD-Sub 15-pins (AB1012), 1x DVI-I (AB1014) (female)
Video out	: 1x DVI-I (AB1012), 1x HD D-Sub 15-pins (AB1014) (female)
Power	: 5V DC@ 2 A (enclosed)

Type no.	Supplier no.	Conversion method
AB1012	1T-VGA-DVI	VGA to DVI
AB1014	1T-DVI-VGA	DVI to VGA

HDMI TO DVI CONVERTER

1T-HDMI-DVI converts HDMI signals to DVI format enabling display on digital HDTV monitors or input to DVI switch devices. HDMI inputs are transformed to RGB Digital signals. This unit is a Format Converter only and no video scaling takes place. The output resolution is the same as the input. For both products, all standard HDTV and most computer resolutions are supported from 480i through 1080p and VGA through UXGA. Coaxial audio (S/PDIF) is available for superior performance and input format auto-detection is used to simplify operation

- Automatic input format detection.
- Operation frequency to 165 MHz.

Technical specifications

Max. resolution	: 1080p @ 30 Hz
Video in	: 1x HDMI (female)
Video out	: 1x DVI-I dual-link (female), 1x S/PDIF (female)
Power	: 5V DC @ 2 A (enclosed)

Type no.	Supplier no.	Type
AB1022	1T-HDMI-DVI	HDMI to DVI Converter

DVI VIDEO SCALER

The C2-8000 seamless switch provides high quality switching with two-channel conversion between a variety of analog and digital formats.

- Compact design.
- Locking power supply.

Technical specifications

Max. resolution	: 1920x1080i @ 60 Hz
Video in	: 1x Composite, 1x YUV component, 1x S-video (all female)
Video out	: 1x DVI-D (female) dual-link
Power	: 5V DC @ 2 A (enclosed)

Type no.	Supplier no.	Conversion method
AB1010	1T-V1280DVI	Up conversion

DOWN CONVERTER

The 1T-C2-100 down converter is based on TV One's exclusive CORIO2™ technology and provides high quality scan conversion from computer or HDTV signals to standard video formats in a compact package. It processes any computer resolution up to 2048x2048 at any vertical refresh rate and all HDTV resolutions up to 1080p. In order to deal with PC, Mac and most computer workstation signals, a wide variety of computer signal formats can be accommodated. Video outputs are switchable between NTSC and PAL and are simultaneously provided in composite and S-Video. The C2-150 has all the functions and features of the 1T-C2-100 and adds a wide variety op additional capabilities such as Genlock, Chromakey and Lumakey.

- Automatic incoming resolution detection
- Supports multiple worldwide TV standards.
- Autoset feature (for automatic picture sizing).

Technical specifications

Max. resolution	: PC: 2048x2048, HD: 1080p
Video in	: 1x HD D-Sub 15-pins (female)
Video out	: 2x Composite (BNC, female), 2x S-Video (female),1x HD D-Sub 15-pins (female)
Power	: 12V DC @ 1 A (enclosed)

Type no.	Supplier no.	Number of video inputs/outputs
AB1016	1T-C2-100	1/2
TN8001	1T-C2-150	1/2

HDMI SCALER

This HDMI scaler is suitable for converting audio and video signals. Audio can be converted from the incoming HDMI signal or from the analog stereo and Toslink ports on the device. The video output resolution of the HDMI signal can be either identical to the resolution of the source signal or converted to a different resolution. This device is ideal for situations where the resolution and frame rate of the HDMI source can not cope with the frame rate/resolution of the display device. Via the on-screen menu or push buttons on the device, you can choose the output resolution, make adjustments to the picture quality or select the audio device.

- Supports embedded and external audio in and out.
- Up to 150 ms audio delay option

Technical specifications

Max. resolution	: 1080p @ 60 Hz
Video in	: 1x HDMI 1.2, 1x 3.5 mm jack, 1x Toslink (female)
Video out	: 1x HDMI 1.2 (female)
Audio in/out	: 1x 3.5 mm jack, 1x Toslink (female)
Power supply	: 5V DC @ 2 A (enclosed)

Type no.	Supplier no.	Type
TN1000	1T-VS-626	HDMI 1.2 Scaler

CONVERTERS

VIDEO TO HDMI SCALER

This video to HDMI scaler converts analog composite or S-video signals to an HDMI output at PC, SD or HD resolutions. Audio can be integrated in the output signal as well via separate Toslink and an analog stereo input. The device is HDCP and DVI compatible and is ideal in situations where PC and other RGB video must be viewed on an HDMI display.

- Supports embedded and external audio in and out.
- 3D De-interlacing functionality.

Technical specifications

Max. resolution	: 1920x1200 @ 60 Hz
Video in	: 1x RCA (composite), 1x S-Video 4-pins (female)
Video out	: 1x HDMI (female)
Audio in/out	: In: 2x RCA, 1x 3.5 mm, 1x S/PDIF. Out: 1x S/PDIF (female)
Power supply	: 5V DC @ 2.6 A (enclosed)

Type no.	Supplier no.	Type
TN1004	1T-VS-622	Video to HDMI Scaler

PIP DVI/DVI SCALER

This scaler is capable of working at full DVI video rates. The two scalers can be used to convert digital DVI-D or analog DVI-A signals to another format, with full CORIO®2 picture-in-picture flexibility. DVI-D resolutions up to 1920x1200@60Hz and 1080p are supported along with analog DVI-A (or HD15 via optional adaptor) resolutions up to 2048x2048 at virtually any refresh rate. A wide variety of computer signal formats are available to support PC, Mac and Workstation formats. The 1T-C2-750 can also be used as a Seamless
Switcher device, enabling the user to toggle between the two DVI inputs with instantaneous cuts. All settings are stored in non-volatile memory and are retained even when power is switched off. Functions can be controlled via the front panel Push Buttons, Infrared or via RS-232. The unit is housed in a desktop case and an optional rack mount kit holds one or two units.

- Optional single/dual rackmount kit
- Optional IR remote control unit.

Technical specifications

Max. resolution	: 1920x1200 @ 60 Hz
Video in	: 2x DVI-I (female)
Video out	: 1x DVI-I (female)
Power supply	: 12V DC @ 1 A (enclosed)

Type no.	Supplier no.	Type
TN1002	1T-C2-750	Dual PIP DVI-I Scaler
TN8005	1T-C2-760	DVI Scaler

RGBHV/YPBPR/YUV COMPONENT, DVI CONVERTER

1T-FC-524 converts analog RGBHV or Component YPbPr inputs to DVI signals, enabling their display on DVI or HDTV monitors or other devices. An analog YPbPr input can be converted to either digital YPbPr or RGBHV. An analog RGBHV input can be converted to
digital RGBHV only. 1T-FC-425 converts DVI to RGBHV or Component YPbPr, enabling viewing on analog displays or other devices. A DVI input can be converted to either analog RGBHV or YPbPr. These units are Format Converters only and no video scaling takes place. The output resolution is the same as the input. All standard HDTV resolutions are supported on both products from 480p through 1080p, plus SDTV resolutions of 480i and 576i. PC resolutions up to 1600x1200 are supported. Both models are 5VDC powered and the Power Adapters are included. Locking DC Connectors are provided for security.

Technical specifications

Max. resolution	: 1920x1200 @ 60 Hz
Video in	: 1x RGB/YPbPr via HD-15 (TN8020), 1x DVI-I (TN8021) (female)
Video out	: 1x DVI-I (TN8020), 1x RGBHV/YPbPr via HD-15 (TN8021) (female)
Power	: 5V DC @ 2 A (enclosed)

Type no.	Supplier no.	Type
TN8020	1T-FC-524	RGBHV/YPbPr/YUV component to DVI Converter
TN8021	1T-FC-425	DVI to RGHBV/YPbPr/YUV converter

DOWN CONVERTER DVI/RGB/YPB

C2-2100A Down Converter is based on TV One's exclusive CORIO®2 technology and provides high quality conversion from DVI and analog PC or HD sources to standard video formats. The input can be any analog computer resolution up to 2048x2048 and 1080p
or any DVI resolution up to 1920x1200 and 1080p. A wide variety of computer signal formats are available to support PC, Mac and Workstation formats. Our exclusive AutoSet feature takes the hassle out of setup by automatically sizing and positioning the computer image
to fit exactly on the video screen. An analog computer input signal bypass (loop-thru) is also provided. The output is simultaneously available in Composite, S-Video
(YC), YUV and YPbPr. NTSC, PAL, PAL-M, PAL-N, SECAM output standards are supported.

Technical specifications

Computer input	: 1x HD D-Sub 15-pins (female), 1x DVI-D (female)
Video in	: 1x Composite BNC, 1x S-Video 4-pins (female)
Video out	: 1x Composite BNC, 1x S-Video 4-pins, 1x YPbPr, 1x SD/HD-SDI (female)
Computer inputs	: 1x DVI-D, 1x HD D-Sub 15-pins (female)
Power	: 12V DC @ 1.5 A (enclosed)

Type no.	Supplier no.	Type
TN8017	C2-2150A	c2-2150a Down Converter
TN8085	C2-2100A	c2-2100a Down Converter

HDMI 3G-SDI/HDMI EXTENDER/CONVERTER

1T-FC-677 3G-SDI Extender with HDMI Converter allows SD-SDI, HD-SDI and 3G-SDI signals to be displayed on either an SDI and an HDMI monitor simultaneously. The product ensures fast signal transmission without signal loss and also allows great flexibility in monitor selection since extremely high quality displays can be accomplished on either a high resolution SDI monitor or high resolution HDMI display. Automatic input signal type detection is provided. The unit employs the unique TV One-task locking DC power connector to enhance overall system mechanical security.

Technical specifications

Max. resolution	: 1080p @ 60 Hz
Video input	: 1x 3G/HD/SD-SDI via BNC (TN1012), 1x HDMI (TN8075) (female)
Video output	: 2x 3G/HD/SD-SDI via BNC,1x HDMI (TN1012), 2x SD/HD/3G-SDI via BNC (TN8075
Power	: 5V DC @ 2A, locking DC (enclosed)

Type no.	Supplier no.	Conversion type
TN1012	1T-FC-677	3G-SDI to HDMI Converter
TN8075	1T-FC-766	HDMI to 3G SDI Converter

C2-8 SERIES UNIVERSAL INPUT SEAMLESS SWITCHER

The Universal Input Seamless Switcher provides high quality video switching and conversion between a variety of analog and digital video formats. The standard system features multiple DVI-U input modules (allowing any of HDMI, DVI, Composite Video, YC, YUV, YPbPr or RGB) that can be scaled and switched between, along with two independent processing channels. The system can also have 3G-SDI input/output modules fitted, as well as audio I/O. The high resolution DVI-U (HDMI, DVI, CV, YC, YUV, YPbPr or RGB) outputs are selectable as virtually any PC or HDTV resolution (or SDI with the 3G-SDI I/O module).
All the functions can be controlled via the front panel Push Buttons, an RS-232/422/485 or IP connection. Windows Control Panel software is provided and most third party control systems interface directly with the entire C2 range of products. A front panel LCD makes setup easy. The unit is housed in a standard 1U rack mount case and features an optional redundant internal PSU and power inlet.

Technical specifications

Max. resolution	: Analog: PC: 2048x2048, HD to 1080p, DVI: 1920x1200 to 1080p
Video in	: Max. 12x S-Video, YUV/YPbPr, Composite via DVI-U, 2x SD/HD/3G-SDI via BNC (female)
Video out	: 2x Composite, S-Video, YUV/YPbPr via DVI-U, 2x SD/HD/3G-SDI via BNC (female)
Computer in	: Up to 12xDVI-U (female)
Computer out	: 2x DVI-U (female)
Power	: External 110V-240V auto detect

Type no.	Supplier no.	Type
TN8067	C2-8120	C2-8120 8xDVI-U in, 2x DVI-U out
TN8084	C2-8110	C2-8110 6 x DVI-U in, 2 x DVI-U uit
TN8097	C2-8210	C2-8210 8xDVI-U, 2x3G-HD-SDI in, 2x DVI-U, 2x3G-HD-SDI out
TN8135	C2-8260	C2-8260 6xDVI-U, 2x3G-HD-SDI in, 2xDVI-U,2x3G-HD-SDI out

MULTIVIEWERS

CORIOVIEW MULTI-WINDOW PROCESSOR

Multiviewers allow multiple video images to be displayed on a single display in different windows. The device has four 3G-SDI inputs plus a DVI-I input (for window, cascade or background use) to place up to 4 sizeable windows on a single DVI-I / 3G SDI output. Each window is powered by a CORIO®2 scaler providing full PIP flexibility. The unit provides a DVI-I output as well as a duplicate 3G-SDI capable output. All settings are stored in non-volatile memory and are retained even when power is switched off. Ten user defined presets (controllable directly from the front panel or external communications) are also available to customize settings for various applications. A built-in LCD and menu system aids quick setup. Functions can be controlled via the front panel Push Buttons, RS-232/RS-422/RS-485 or Ethernet.

Technical specifications

Video input	: 4x 3G SDI via BNC, 1x DVI-I
Video output	: 1x 3G SDI via BNC, 1x DVI-I
Control method	: Via front panel buttons or RS-232
Power	: Internal 100-240V AC
Audio	: Embedded SDI/HDMI via DVI

tvONE

Type no.	Supplier no.	Inputs/Outputs
TN8013	C2-6104A	4 x DVI-I/Composite / 1 x DVI-I
TN8046	C2-6204	4 x SD/HD-SDI, 1 x DVI-I / 1 x SD/HD-SDI

EXTENDERS

VGA + AUDIO TRANSMITTER

This VGA extender set enables you to extend a VGA signal over larger distances. The maximum resolution that can be extended is 1920x1200 @ 1080p. The maximum extension length is 300 metres in combination with the applicable receiver (AB1032). Audio can also be extended with this device.

- Transmission up to 300 metres.
- Locking power supply.
- Optional rackmount kits available.

Technical specifications

Max. resolution	: 1920x1200, 1080p @ 60 Hz
Video in	: HD-D-Sub 15-pins (female)
Video out	: HD-D-Sub 15-pins (female)
Audio in	: 3.5 mm jack (female), S/P-DIF (female)
Audio out	: 3.5 mm jack (female)
System cable	: CAT5/5e or CAT6 UTP cable
Max. length system cable	: 300 m
Power	: 5V DC @ 2 A (enclosed)

tvONE

Type no.	Supplier no.	Type
AB1030	1T-CT-443	Transmitter
AB1032	1T-CT-456	Receiver

SPLITTERS

DVI-D DISTRIBUTION AMPLIFIER

DVI-D distribution amplifiers provide multiple outputs from a single DVI input for distribution to devices capable of receiving and/or displaying such signals.

Technical specifications

Max. resolution	: 1920x1200
Video in	: 1x DVI-D (all models, female)
Video out	: 2 or 4 x DVI-D (female)
Audio in/out (TN8093)	: In: 1x 3.5mm jack. 1x RCA Coax. Out: 4x 3.5 mm jack, 4x RCA Coax (all female)
Power	: 5V DC @ 2 A (enclosed)

tvONE

Type no.	Supplier no.	Number of Video outputs
TN8029	1T-DA-552	2 x DVI-I
TN8030	1T-DA-554	4 x DVI-I
TN8093	1T-DA-564	4 x DVI-I Incl. audio outlput

HDMI SWITCH

T-SX-632 and 1T-SX-634 HDMI Routing Switchers are Version 1.3 compliant. The 1T-SX-632 switches between two inputs, the 1T-SX-634 switches up to four inputs. Both units maintain the signal components present within the encoded signal and allow the user to easily select program material without plugging and unplugging cables. Embedded audio, including Dolby® Digital TrueHD and DTS-HD is supported. HDTV resolutions of 480p, 576p, 720p, 1080i and 1080p are supported, plus SDTV resolutions of 480i and 576i and PC resolutions up to 1920x1200. The units are fully DVI compatible. The switchers can be controlled via the front panel or with the included Infrared Remote Control. RS-232 control is provided as a standard feature. Provisions are made for securing locking type HDMI
cables. The units are housed in rugged metal cases and optional Single/Dual Rackmount Kits are available. They are 5VDC powered and a Power Adapter is included.The DC power connector is a locking type for security. For best performance at long distances, premium grade cables are recommended.

- Built-in enhancer for long cable runs.
- Optional single/dual rackmount kit available.

Technical specifications

Max. resolution	: 1080p
Video in	: 4x HDMI 1.3 (female)
Video out	: 1x HDMI 1.3 (female)
Power supply	: 5V DC @ 2 A (enclosed)

Type no.	Supplier no.	Type
TN1006	1T-SX-634	4 Ports HDMI 1.3 switch
TN8007	1T-SX-632	2 ports HDMI 1.3 switch

MATRICES

HDMI MATRIX ROUTING SWITCH 8 X 8

The MX-6388 8x8 HDMI Matrix Switcher is designed to allow distribution of eight HDMI (w/HDCP) sources to eight devices independently or all at the same time. All video paths are buffered to prevent cross talk and 480i through 1080p HDTV signals, plus VGA (640x480) through WUXGA (1900x1200) signals are accepted as valid inputs and outputs. 3D signals are also supported. All inputs are processed at full bandwidth, using single-link, 225 MHz (6.75Gpbs) circuitry so as to deliver no compromise outputs on all paths. Switcher memory is employed to insure last selection recall should power be temporarily lost. RS-232, Ethernet and Infrared control supplement front panel input/output selection and a rack mount kit is included with the switcher. The MX-6388 also provides output independent, per-input EDID cloning support.

- Including rack mount kit, remote control and power cable

Technical specifications

Video input	: 8x Type A HDMI
Video output	: 8x Type A HDMI
Max. resolution	: 1080p @ 60Hz
Power	: 100-250V AC (Internal)
Audio formats	: DTS-HD Master audio, DTS, Dolby True-HD, DD+, DD

Type no.	Supplier no.	Type
TN8143	MX-6388	HDMI Matrix Routing Switch

MX-5288 8 X 8 DVI MATRIX SWITCHER

MX-5288 8x8 DVI Matrix Switcher is designed to allow distribution of eight DVI-D (w/o HDCP) sources to eight devices independently or all at the same time. All video paths are buffered to prevent cross talk and 480p through 1080p HDTV signals, plus VGA (640x480) through WUXGA (1900x1200) signals are accepted as valid inputs and outputs. All inputs are processed at full bandwidth, using single link, 165 MHz (4.95Gpbs) circuitry so as to deliver no compromise outputs on all paths. Switcher memory is employed to insure last selection recall should power be temporarily lost. RS-232, Ethernet and Infrared control supplement front panel input/output selection and a rack mount kit is included with the switcher. The MX-5288 also provides output independent, per-input EDID cloning support.

Technical specifications

Video input	: 8x DVI-I Female
Video output	: 8x DVI-I Female
Max. resolution	: 1080p
Power	: 100-250V AC (internal)

Type no.	Supplier no.	Type
TN2012	MX-5288	MX-5288 8 x 8 DVI Matrix Switcher

EXTENDERS

Opticis

Opticis is market leader in the field of fiber optics USB, DVI, HDMI and FireWire extension and distribution modules. Opticis offers reliable solutions with excellent value for money. Opticis is widely used in the medical industry, digital signage, education, aviation and broadcast applications. Reinforcing each other's market is the guiding principle of cooperation between Opticis, manufacturer of fiberglass extension and distribution modules, and Intronics. Opticis keeps Intronics sharp when it comes to the latest developments in fiber extension and distribution; with its current knowledge and deep expertise, Intronics acts as an active extension of Opticis in the Benelux.

DISPLAYPORT EXTENDER

With this DisplayPort extender, you are able to extend a DisplayPort signal with a maximum length of 2 km at a resolution of 2560x1600 @ 60 Hz. This extender consists of a transmitter and receiver module, no software is needed. The extender is hot pluggable and provides power management.

- Supports resolution up to 2560x1600 @ 60 Hz.
- No software required.

Technical specifications

Max. resolution	: 2560x1600 @ 60 Hz
Video in	: 1x DisplayPort 1.1 Female
Video out	: 1x DisplayPort 1.1 Female
Max. lengh system cable	: 100
Power supply	: 5V AC/DC (enclosed)

Type no.	Supplier no.	Length
OP1501	M1-5000-10	10m
OP1551	M1-5000-15	15m
OP1502	M1-5000-20	20m
OP1503	M1-5000-30	30m
OP1504	M1-5000-40	40m
OP1505	M1-5000-50	50m
OP1507	M1-5000-70	70m
OP1510	M1-5000-100	100m

HDFX-200 ONE FIBER HDMI EXTENDER

This optical HDMI extender transmits 1920x1200 @ 60 Hz or 1080p at 60 Hz up to 300 metres over a multimode fiber cable. This provides for a clean, secure and easy installation with no electrical hazard and a perfect isolation. Supports HDMI 1.3 up to 36-bit color depth. Complies with CEC, EDID and HDCP 1.2.

Technical specifications

Max. resolution	: 1920x1200 @ 60 Hz
Video in	: 1x HDMI (female)
Video out	: 1x HDMI (female)
System cable	: 1x LC Multimode fiber
Max. distance	: 300 m
Compliant with	: CEC, EDID and HDCP 1.2

Type no.	Supplier no.	Type
OP5001	HDFX-200	One fiber HDMI extender

SDIX-100 MINIATURE FIBER OPTIC 3G-SDI EXTENDER

The Opticis SDIX-100-TR 3G-SDI extender is a miniature, fiber optic 3G-SDI digital video transmission system supporting up to 1080p, 3G-SDI format. The SDIX-100-TR is designed to transmit one channel of multi-rate SDI including SMPTE-424M (3G-SDI), SMPTE-292M (HD-SDI) or SMPTE-259M serial digital video signal up to 30 km through either single-mode or multimode fiber with the same model. Due to the use of advanced digital fiber optic transmission technology, no user adjustments are required in the Mini 3G-SDI extender system, enabling quick setup and trouble-free operation. The SDIX-100-TR series can handle SDI, DVB-ASI, HD-SDI, 3G-SDI, and many other video formats. The power connector has a latch-locking mechanism, thus no power disruption due to miss-handling problem. The SDIX-100-TR series comes with a rugged, standalone, miniature unit.

Technical specifications

Max. resolution	: 1080p
Video in	: 1x SDI via BNC (male)
Video out	: 1x SDI via BNC (male)
System cable	: ST single-mode or multimode cable
Max. distance	: 30,000 m
Power	: 5V DC @ 1.5 A (enclosed)

Type no.	Supplier no.	Type
OP5003	SDIX-100	Miniature 3G-SDI Extender

FOUR FIBER HDMI EXTENDER

The optical HDMI extender, HDFX-150-TR, is compact enough to be fitted into various installation environments with four (4) LC fibers connection. The transmitter and receiver set, HDFX-150-TR, enables to transmit WUXGA (1920x1200) or 1080p at 60Hz signal up to 300m (985feet), avoiding tricks such as scaling or data compression for lessening a burden of data transmission and supports 3D contents transmission.The pure fiber connection between transmitter and receiver gives clean, secure and easy installation with perfect electrical isolation, but without electrical hazard and interference. The HDFX-150-TR can be operated by both USB power by plugging the USB cable and DC power included as a shipping group. It supports CEC, EDID and HDCP for better installation flexibility and compatibility.

- Including power adapter, 2x HDMI cables 0.5m, 2x USB to DC plug

Technical specifications

Max. resolution	: 1920x1200 @ 60Hz
Video in	: 1x HDMI
Video out	: 1x HDMI
System cable	: Four fiber LC
Power	: Extern (included), optional USB powered

Type no.	Supplier no.	Type
OP5000	HDFX-150	Four fiber HDMI extender

TWO FIBER HDMI EXTENDER

The optical HDMI extender, HDFX-250-TR, is compact enough to be fitted into various installation environments with two LC fibers connection. The transmitter and receiver set, HDFX-250-TR, enables to transmit WUXGA (1920x1200) or 1080p at 60Hz signals up to 300m (985feet), avoiding tricks such as scaling or data compression for lessening a burden of data transmission. The pure fiber connection between transmitter and receiver gives clean, secure and easy installation with perfect electrical isolation, but without electrical hazard and interference. The HDFX-250-TR can be operated by both USB power by plugging the USB cable and DC power included as a shipping group. It supports CEC, EDID and HDCP for better installation flexibility and compatibility.

- 1x 5V DC @ 1A adapter, 1x HDMI cable 30 cm

Technical specifications

Max. resolution	: 1920x1200 @ 60Hz
Video in	: 1x HDMI
Video out	: 1x HDMI
System cable	: Two fiber LC
Power	: 2x 5V DC @ 1A (included)

Type no.	Supplier no.	Type
OP5006	HDFX-250	Two fiber HDMI extender

HYBRID HDMI EXTENSION CABLE

Connect HDMI devices over a very long distance with this hybrid HDMI extension cable from Opticis. Internal cabling consists of four multimode fibers for audio and video transmission and one copper wire DDC/HDCP communication. This way it is possible to cross long distances.

- DDC and HDCP support.

Technical specifications

Max. resolution	: WUXGA 1920x1200, HDTV 1080p
Input cable	: HDMI 1.3 (male)
Output cable	: HDMI 1.3 (male)
Power supply	: 5V DC bus powered

Type no.	Supplier no.	Length
OP2001	M1-2000-10	10m
OP2002	M1-2000-20	20m
OP2003	M1-2000-30	30m
OP2005	M1-2000-50	50m
OP2007	M1-2000-70	70m
OP2010	M1-2000-100	100m

EXTENDERS

HYBRID HDMI EXTENDER SET

HDMI Extension modules for extending a HDMI signal up to 100 metres over two standard duplex LC multi-mode fiber cables (not enclosed). The OP3000 has an RJ-45 connection for transmission of DDC/HDCP signals over CAT5 (cable not included). The modules are powered by a single +12V DC power supply, which powers both the receiver and the transmitter.

- DDC and HDCP support.

Technical specifications

Max. resolution	: 1920x1200 @ 60 Hz
Video in	: 1x HDMI (female)
Video out	: 1x HDMI (female)
Max. length system cable	: 100 m
System cable	: 2x Multimode LC duplex + 1x twisted pair
Power supply	: 12V DC (enclosed)

Type no.	Supplier no.	Video connection
OP3000	M1-2R2H-TR	HDMI

HDMI WIRELESS EXTENDER

Wireless Extender, HDWX-100-TR is designed for wireless signals extending of HDMI, keyboard and mouse. The transmitter module HDWX-100-T connected to the HDMI source encodes the HDMI by H.264 and transmits the signal via advanced Wi-Fi, 802.11a/n technology. The receiver module, HDWX-100-R connected to the display receives and decodes wireless signal into HDMI for display. The USB keyboard and mouse interface in the receiver module, HDWX-100-R also can be accessed to the source via transmitter module HDWX-100-T, if it is connected to the source by USB interface.

Technical specifications

Video in	: 1x HDMI (female)
Video out	: 1x HDMI (female)
Max. resolution	: 1080p (1920 x 1080)
Max. distance	: 30 m
Power	: External (included)
Compression	: H.264

Type no.	Supplier no.	Type
OP8005	HDWX-100-TR	HDMI Wireless Extender
OP8020	HDWX-100-RX	Receiver unit for OP8005

HYBRID DUAL-LINK DVI EXTENDER SET

Extend a digital video signal with a very high resolution over 100 metres with this DVI extender set. The dual-link DVI connection offers a high video bandwidth that enables resolutions of up to 2560x1600. Both modules are powered by connecting an external power adapter to one of the modules. Power is then transmitted to the other module through a copper connection.

- EDID and HDCP information over UTP/FTP cable.

Technical specifications

Max. resolution	: 2560x1600 @ 60 Hz
Video in	: 1x DVI-D dual-link (female)
Video out	: 1x DVI-D dual-link (female)
Max. length system cable	: 100 m
System cable	: 4x multimode LC duplex + 1x twisted pair
Power supply	: 12V AC (enclosed)

Type no.	Supplier no.	Video connection
OP3020	M1-2R2VI-DU	DVI

DDFX-100 TWO FIBER DUAL-LINK DVI EXTENDER

The DDFX-100-TR detachable dual-Link DVI extender offers easy connection to your existing system with minimum efforts and no modification, since it is designed compactly enough and with all industry standard connectors. The metallic die-casting enclosure gives reliable installation, excellent EMI shields and heat dissipation in harsh and noisy environments. DDFX-100-TR transmits uncompressed WQXGA (2560x1600), 60 Hz or WQUXGA (3840x2400), 33 Hz refresh ratio of dual-link DVI up to 500 metres over two LC multimode fibers. The EDID in a display can be read and restored by just plugging once transmitter to the display.

Technical specifications

Max. resolution	: 2560x1600 @ 60 Hz
Video in	: 1x DVI-D dual-link (male)
Video out	: 1x DVI-D dual-link (male)
System cable	: 2x LC Multimode fiber
Max. distance	: 500 m
Power	: 5V DC @ 1 A (enclosd)

Type no.	Supplier no.	Type
OP5004	DDFX-100	Two Fiber Dual-link DVI Extender

M1-3R2VI-DU DVI DUAL LINK OPTICAL EXTENDER

The M1-3R2VI-DU detachable DVI optical extender is a dual-link box type product enabling to transmit two TMDS signals with uncompressed WQXGA (2560x1600) 60Hz DVI up to 2,000 metres over a pair of duplex single-mode fibers and 500 metres over a pair of multimode fibers with LC terminated connectors. For better installation and flexibility, it features patent pending Self-EDID management, reading and restoring of the information by just plugging to the display. It complies with DDC/HDCP and also certified with FCC/CE and Class 1 LASER Eye Safety for various applications.

Technical specifications

Max. resolution	: 2560x 1600 @ 60 Hz
Video in	: 1x DVI-D dual-link (male)
Video out	: 1x DVI-D dual-link (male)
Max. distance	: 2000 metres (single mode), 500 metres (multimode)
System cable	: LC Multimode fiber
Power	: 24V @ 2.5 A (enclosed)

Type no.	Supplier no.	Type
OP5005	M1-3R2VI-DU	Optical Dual-link DVI Extender

DVFX-100 ONE FIBER DVI EXTENDER

The DVFX-100-TR detachable DVI extender offers easy connection to your existing system with minimum efforts and no modification, since it is designed compactly enough and with all industry standard connectors. The metallic die-casting enclosure gives reliable installation, excellent EMI shields and heat dissipation in harsh and noisy environments. With Opticis' leading-edge fiber-optic technology, the DVFX-100-TR is capable of driving uncompressed WUXGA (1920x1200) 60Hz and even more up to 2K resolution of DVI signal up to 500 metres over a single SC multimode fiber.

Technical specifications

Max. resolution	: 1920x1200 @ 60 Hz
Video in	: 1x DVI-D (male)
Video out	: 1x DVI-D (male)
System cable	: SC Multimode fiber cable
Max. distance	: 500 m
Power	: 5V DC @ 1 A (enclosed)

Type no.	Supplier no.	Fiber type
OP5002	DVFX-100	One Fiber DVI Extender

EXTENDERS

2 FIBER DVI EXTENDER SET

The Digital Visual Interface is a high quality, uncompressed data link between a host processor video card and a display peripheral. Optical technology for this transmission stretches the performance beyond the limitations of copper wire with longer length, data security, negligible RFI/EMI and the elimination of costly analog distribution systems. The EDID in a display can be read and restored by just plugging it in the display. This self EDID programming feature makes the installation of M1-201DA-TR more easy and flexible at any variable resolution display system. An external power adapter is required for the receiver module, while most video cards can provide +5V DC power to the transmitter module.

- Applicable for both single and multi-mode fibers.
- Offers self-EDID programming feature.
- Compact modules.
- Including two +5V DC power adapters.

Technical specifications

Max. resolution	: 1920x1200 @ 60 Hz
Video in	: 1x DVI-D (male)
Video out	: 1x DVI-D (male)
System cable	: Multimode/singlemode duplex LC
Max. length system cable	: 1500 (singlemode) / 500 (multimode) m
Power	: 5V DC (enclosed)

Type no.	Supplier no.	Video connection
OP2202	M1-201DA-TR	DVI

4-FIBER DVI EXTENDER SET

Extends the distance between interlinked DVI devices by using two duplex multimode LC fiber cables. This device is especially suited for areas where easy installation and galvanically seperated circuits are a necessity.

- Including two power adapters (for transmitter and receiver).
- Transmitter is programmable with EDID, so no physical DDC connection is required.
- Galvanic isolation between transmitter and receiver.

Technical specifications

Max. resolution	: 1920x1200 @ 60 Hz
Video in	: 1x DVI-D (male)
Video out	: 1x DVI-D (male)
Max. length system cable	: 500 m
System cable	: Multimode LC duplex
Power	: 5V DC (2 items enclosed)

Type no.	Supplier no.	Video connection
OP2200	M1-201SA-TR	DVI

DIGITAL AV + RS-232 EXTENDER SET

This multimedia extender extends audio, video and serial (RS-232) signals over 2 UTP cables. This multimedia extender offers full support for DDC and HDCP signals. Maximum resolution is 1920x1200 @ 60 Hz when a computer is being used. HDTV resolution is 1080p. Maximum distance is 50 metres. The OP3200 has DVI, SPDIF (optical and coaxial), RCA and D-Sub 9 connections.

- Extends DVI, HDMI and RS-232 up to 50 metres.
- Supports up to 1920x1200, 24-bit color @ 60 Hz..

Technical specifications

Max. resolution	: 1920x1200 @ 60 Hz
Connections	: 1x DVI (female)1x S/P-DIF (female),1x RCA (female), 1x D-Sub 9-pins (female)
System cable	: CAT5E or CAT6 UTP cable
Max. length system cable	: 50 m
Power	: 12V DC @ 3 A (enclosed)

Type no.	Supplier no.	Maximum range
OP3200	M5-2C2-TR	50m

2-FIBER DETACHABLE DISPLAYPORT EXTENDER

Optical DisplayPort extender, DPFX-100-TR is designed compact enough to be fitted into various installation environments with two (2) LC fibers connection. The transmitter and receiver set, DPFX-100-TR enables to transmit WQXGA (2560x1600) at 60Hz signal up to 300m (985feet), avoiding any tricks like scaling or data compression for lessening a burden of data transmission. It provides total data throughput 10.8Gbps (2.7Gbps per lane).The pure fiber connection by two (2) LC fibers connector between transmitter and receiver, gives clean, secure and easy installation with perfect electrical isolation, but without electrical hazard and interference. The DPFX-100-TR can be operated by USB power without external DC power adapter by plugging the supplied USB to DC plug cables to each module.

Technical specifications

Max. resolution	: WQXGA (2560x1600) @ 60 Hz
Max. distance	: 300 m
Power	: USB powered or via power adapter
Displayport version	: 1.1a

Type no.	Supplier no.	Type
OP5010	DPFX-100-TR	Detachable DisplayPort Extender

DETACHABLE DVI EXTENDER 2-FIBER

This Optical DVI and stereo audio extender, M1-203D-TR offers extremely long distance extension of a high-quality uncompressed data between a host video card and a display. Its an all-fiber extension product. It offers extension up to 2,000 meters at WUXGA (1900x1200)@ 60Hz resolution with stereo audio. The product offers - besides long extension - various benefits like crystal-clear data, negligible RFI/EMI and elimination of costly distribution amplifiers unlike in analog extension. The EDID in the display can be read and restored by just plugging the transmitter to the display before installing.

Technical specifications

Max. distance	: 2000 m
Max. resolution	: 1920x1200 @ 60Hz
Power	: Two 12V DC power supplies (one for transmitter and receiver, delivered)

Type no.	Supplier no.	Type
OP5011	M1-203D-TR	Detachable DVI extender

DVI DISTRIBUTOR

This distributor makes one (1) DVI video source split into four (4) DVI displays, respectively without any signal loss or digital noise. Also, HDMI source and displays are compatible by using HDMI -DVI cable.

Technical specifications

Max. resolution	: 1080p (WUXGA 1920x1200@60 Hz)
Video in	: 1x DVI-I single link (female)
Video out	: 4 or 8 x DVI-I single-link (female)
Power	: 5V DC @ 2.6 A (enclosed)

Type no.	Supplier no.	Number of ports
OP3920	OVD14	4 ports
OP3922	OVD18	8 ports

SPLITTERS

19 INCH 1RU FRAME OF DVI OPTICAL PASSIVE SPLITTER

19" frame for Optical Passive Splitter. This frame can hold up to 2 Optical Passive Splitters. Power is not needed. In this frame unit the following splitters can be mounted:

- OP5007 (1x16 SC optical splitter)
- OP5008 (2x16 LC optical splitter)
- OP5009 (1x8 SC optical splitter)
- OP8009 (1x4 SC optical splitter)

Technical specifications

Color : Black

Type no.	Supplier no.	Type
OP8008	OPSR-2	19 inch frame

DVI OPTICAL PASSIVE SPLITTER

These optical passive splitters distribute optic signal over single-mode fiber up to 16 channels without using an active device. Up to 2 pieces can be installed in a single 19 inch U frame. The splitters are available as follows:
- OP5007, 1x 16 SC optical splitter
- OP5008, 2x 16 LC optical spliiter
- OP5009, 1x 8 SC optical splitter
- OP8009, 1x 4 SC optical splitter

Type no.	Supplier no.	Type
OP8009	OPS-104S	1x 4 SC DVI optical splitter
OP5009	OPS-108S	1x 8 SC DVI optical splitter
OP5007	OPS-116S	1x 16 SC DVI optical splitter
OP5008	OPS-216L	2x 16 LC DVI optical splitter

Adder

Adder designs and manufactures an advanced range of KVM switches, extenders and IP solutions. The AV extenders of Adder distribute video and audio signals. Ideal for digital signage applications and media streaming applications such as TV applications and public information.

ADDERLINK LPV VGA EXTENDER SET

An easier extension of a VGA connection is hardly possible. The extender modules are small and compact. No external power adapters are needed. Common twisted pair cabling is used here, such as CAT5E or CAT6 cables, which is easy to use. Besides providing ease and comfort, the Adderlink LPV150 also supports resolutions up to 1080p. Reliability, quality and simplicity are characteristic for this extender set. This makes the Adderlink LPV150 very suitable for a professional digital signage situation.

- Compact design.
- Power via one USB connection for both modules.
- Full HD 1080p supported.
- Full active DDC support.

Technical specifications

Max. resolution	: 1080p
Video in	: 1x HD D-Sub 15-pins (female), 1x USB-A (female)
Video out	: 1x HD D-Sub 15-pins (female)
System cable	: Twisted pair (CAT5E, CAT6, etc.)
Max. length system cable	: 150 m
Power supply	: Through USB connection on transmitter module

Type no.	Supplier no.	Type
AD1008	ALPV150P-EURO	Compact VGA extender

ADDERLINK AV200 SERIES VGA + AUDIO - RS-232 EXTENDER SET

The ADDERLink AV-series is a range of audiovisual extenders which provide high resolution video, optimal audio quality, and extension of a RS-232 connection using standard twisted pair wiring (CAT5E, CAT6, etc).

- Double audio and video output on the receiver.
- Also extends a RS-232 connection.

Technical specifications

Max. resolution	: 1920 x 1280 @ 60 Hz
Video in	: 1x HD D-Sub 15-pins (female)
Video out	: 2x HD D-Sub 15-pins (female)
Audio in	: 1x 3.5 mm jack (female)
Audio out	: 2x 3.5 mm jack (female)
Max. length system cable	: 300 m
System cable	: Twisted pair (CAT5E, CAT6, etc)
Power	: 5V DC @ 500 mA (enclosed)

Type no.	Supplier no.	Video connection
AD1030	ALAV200P-EURO	VGA

ADDERLINK AV100 SERIES VGA + AUDIO EXTENDER SET

The ADDERLink AV-series is a range of audiovisual extenders which deliver high resolution video and optimal audio quality, using standard twisted pair wiring (CAT5E, CAT6, etc). The transmitter provides a connection for local screen and speakers cascade. The receiver provides two video and two audio outputs.

- Double audio and video output on the receiver.

Technical specifications

Max. resolution	: 1600x1280 @ 200 metres, 1280x1024 @ 300 metres
Video in	: 1x HD D-Sub 15-pins (female)
Audio in	: 1x 3.5 mm jack (female)
Video out	: 2x HD D-Sub 15-pins (female)
Audio out	: 2x 3.5 mm jack (female)
Max. length system cable	: 300 m
System cable	: Twisted pair (CAT5e, CAT6, etc)
Power supply	: 5V DC @ 2A (enclosed)

Type no.	Supplier no.	Video connection
AD1000	ALAV100P-EURO	VGA

SPLITTERS

AV200 SERIES VGA + AUDIO - RS-232 SPLITTER

The splitter is a transmitter which converts an audio, video and RS-232 signal to several RJ-45 outputs. A local connection of signals on the splitter is possible, for e.g. cascading.

- Extends an RS-232 connection to control remote screens.

Technical specifications

Max. resolution	: 1600x1200 @ 200 m, 1280x1024 @ 300 m
Video in	: 1x HD D-Sub 15-pins (female)
Video out	: 1x HD D-Sub 15-pins (female)
Audio in	: 1x 3.5 mm jack (female)
Audio out	: 1x 3.5 mm jack (female)
Max. length system cable	: 300 m
System cable	: Twisted pair (CAT5E, CAT6, etc)
Power supply	: 5V DC @ 500 mA (enclosed)

Type no.	Supplier no.	Type
AD1034	ALAV204T-EURO	Splitter 4x out
AD1038	ALAV208T-EURO	Splitter 8x out

AV200 SERIES VGA + AUDIO - RS-232 TRANSMITTER

This transmitter sends video, audio and RS-232 signals via a twisted pair cable. These connections are also available on the transmitter as output, e.g. for cascading.

- Extends an RS-232 connection for remote screen control.

Technical specifications

Max. resolution	: 1600x1200 @ 200 m, 1280x1024 @ 300 m
Video in	: 1x HD D-Sub 15-pins (female)
Video out	: 1x HD D-Sub 15-pins (female)
Audio in	: 1x 3.5 mm jack (female)
Audio out	: 1x 3.5 mm jack (female)
Max. length system cable	: 300 m
System cable	: Twisted pair (CAT5E, CAT6, etc)
Power supply	: 5.3V DC @ 2A (enclosed)

Type no.	Supplier no.	Type
AD1031	ALAV200T-EURO	Transmitter

AV200 VGA + AUDIO - RS-232 RECEIVER

Convert video, audio and RS-232 signals with a twisted pair cable. The receiver splits these signals and supplies two sets of outputs.

- Extends an RS-232 connection for remote screen control.

Technical specifications

Max. resolution	: 1600x1200 @ 200 m, 1280x1024 @ 300 m
Video in	: 2x HD D-Sub 15-pins (female)
Video out	: 2x HD D-Sub 15-pins (female)
Audio in	: 2x 3.5 mm jack (female)
Audio out	: 2x 3.5 mm jack (female)
Max. length system cable	: 300 m m
System cable	: Twisted pair (CAT5E, CAT6, etc)
Power supply	: 5.3V DC @ 500 mA (enclosed)

Type no.	Supplier no.	Type
AD1032	ALAV200R-EURO	Receiver

AV200 SERIES VGA + AUDIO - RS-232 RECEIVER ADVANCED

Besides the functionality offered by the standard receiver, this receiver is also equipped with an automatic de-skew functionality. The de-skew functionality reduces the skew effect which occurs when long lengths of system cables are being used.

- Extends an RS-232 connection for remote screen control.

Technical specifications

Max. resolution	: 1600x1200 @ 200 m, 1280x1024 @ 300 m
Video in	: 2x HD D-Sub 15-pins (female)
Video out	: 2x HD D-Sub 15-pins (female)
Audio in	: 2x 3.5 mm jack female
Audio out	: 2x 3.5 mm jack female
Max. length system cable	: 300 m
System cable	: Twisted pair (CAT5e, CAT6, etc)
Power supply	: 5V DC @ 500 mA (enclosed)

Type no.	Supplier no.	Type
AD1033	ALAV201R-EURO	Receiver advanced

AV100 SERIES VGA + AUDIO SPLITTER

Splitter with 4 outputs, supplied with a local port to connect a local screen and speakers, or to cascade with other transmitters.

Technical specifications

Max. resolution	: 1600x1280 up to 200 m, 1280x1024 up to 300 m
Video in	: 1x HD D-Sub 15-pins (female)
Video out	: 1x HD D-Sub 15-pins (female)
Audio in/out	: 1x 3.5 mm jack (female)
Max. distance	: 300
System cable	: Twisted pair (CAT5, 5E, 6,7)
Power	: 5V DC @ 2 A (enclosed)

Type no.	Supplier no.	Type
AD1004	ALAV104T-EURO	Splitter 4x output

AV100 SERIES VGA + AUDIO TRANSMITTER

With this transmitter, you can convert a regular VGA and audio connection to an RJ-45 connection. Besides this functionality, it also provides a local output for audio and video, so a local screen and speakers can also be connected.

Technical specifications

Max. resolution	: 1600x1280 up to 200 m, 1280x1024 up to 300 m
Video in	: 1x HD D-Sub 15-pins (female), 1x 3.5 mm jack (female)
Video out	: 1x HD D-Sub 15-pins (female), 1x 3.5 mm jack (female)
Audio in/out	: 1x 3.5 mm jack (female)
Max. distance	: 300 m
System cable	: Twisted pair (CAT5E, CAT6)
Power	: 5V DC @ 2 A (enclosed)

Type no.	Supplier no.	Type
AD1001	ALAV100T-EURO	Transmitter

AV100 SERIES VGA + AUDIO RECEIVER ADVANCED

The de-skew function in the advanced receiver prevents the skew effect which occurs with a long system cable. This also creates an optimum image quality at a large distance. Besides this, the advanced receiver is supplied with a cascade port, so this can be cascaded to realise several connections at a distance.

- Auto de-skew function to compensate for skew over long ranges.
- Cascade port available to create multiple remote ouputs.

Technical specifications

Max. resolution	: 1600x1280 up to 200 m, 1280x1024 up to 300 m
Video out	: 2x HD D-Sub 15-pins (female), 2x 3.5 mm jack (female)
System cable	: Twisted pair (CAT5E, CAT6, etc)
Max. distance	: 300 m
Power	: 5V DC @ 2 A (enclosed)

Type no.	Supplier no.	Type
AD1003	ALAV101R-EURO	Receiver advanced

AV100 SERIES VGA + AUDIO RECEIVER

This receiver enables transformation of an audio- and video signal to usable connections. The receiver splits the incoming signal to two outputs.

Technical specifications

Max. resolution	: 1600x1280 to 200 m, 1280x1024 to 300 m
Video out	: 2x HD D-Sub 15-pins (female), 2x 3.5 mm jack (female)
System cable	: Twisted pair (CAT5E, CAT6, etc)
Max. distance	: 300 m
Power	: External 5V DC @ 2 A (enclosed)

Type no.	Supplier no.	Type
AD1002	ALAV100R-EURO	Receiver

Rextron

Since 1998, Rextron has been producing KVM switches and AV products such as display adapters (for adding an additional video output within a LAN), extenders, splitters and switches. Rextron is applied by large companies to manage sometimes even more than 100 computers (both PS/2, Sun and Mac).

HDMI EXTENDER LAN TRANSMITTER UNIT

The HDMI over Giga LAN Extender is a perfect solution for audio and video signal extension via an existing LAN (Local Area Network). With multicast technology, a local unit can drive multiple remote units with no extra network load. Via IGMP Giga Hub, there are 16 channels selectable and up to 4 channels can be transmitted simultaneously. Amazingly, each channel can be shown to an incredible 65536 displays using a standard IT Ethernet structure on a LAN system. For each source device a local unit is required. A remote unit is needed for each display device.The HDMI over Giga LAN Extender is Full HD 1080p supported, HDCP compliant and Blu-Ray ready. Moreover, this has been common used in applications that require greater distance, high speed transmission, real-time high video resolution, security, and noise immunity. Based on Giga LAN structure, it supports super-high speed transmission. It is ideal for situations that need live presentation, such as public broadcasting, education centres, boardrooms, etc. This is the remote unit to function in combination with the YG8012 unit.

Technical specifications

Input	: 1x HDMI (female)
Max. video resolution	: 1920 x 1200@ 60Hz
Maximum distance	: Ethernet based
Required LAN	: Giga Network
Power supply	: 9-12V DC @ 1.5A (enclosed)

Type no.	Supplier no.	Type
YG8012	NVXM-130L	HDMI Extender set zender unit

HDMI EXTENDER LAN RECEIVER UNIT

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Technical specifications

Output	: 1x HDMI (female)
Max. video resolution	: 1920 x 1080@ 60Hz
Max. distance	: Ethernet based
Required LAN	: GIGA Network
Power	: 9-12V DC@ 1.5A (delivered)

Type no.	Supplier no.	Type
YG8013	NVXM-130R	HDMI Extender set ontvanger unit

WIRELESS HDMI EXTENDER WITH IR

This wireless HDMI extender extends HDMI (w 7.1 audio channels) up to 40 metres while supporting 1080p resolution @ 60 fps. Support for HDMI 1.3 and HDCP 1.1/1.2. Consists of a transmitter and a receiver unit. An IR extender unit is available.

Technical specifications

Max. resolution	: 1920 x 1080 @ 60 fps
Video in	: 1x HDMI (female)
Video out	: 1x HDMI (female)
Power	: 5V DC @ 2 A (enclosed)

Type no.	Supplier no.	Type
AB3000	EVWM-M205	Wireless HDMI Extender

EXTENDERS

HDMI EXTENDER

This HDMI extender consists of a local unit and remote unit allowing users to extend the video signal up to 2,000 meters away from a video source with only a single fiber optics cable. The HDMI display can be optimized up to the maximum resolution of Full HD (1920x1080) / WUXGA (1920x1200) / UXGA (1600x1200), and audio display is compatible in HDMI linking. This extender has been commonly used in applications that require greater distance, high speed transmission, real-time high video resolution, security, and noise immunity.

- No software or driver required.

Technical specifications

Max. resolution	: 1920x1200
Video in	: 1x HDMI (female)
Video out	: 1x HDMI (female)
Audio in/out	: 1x 3.5 mm jack (female)
Max. extension	: 1600 m (1080i), 800m (1080p)
Enclosure	: Metal
Power consumption	: 12 W (per unit)

Type no.	Supplier no.	Type
AB3010	FV3D-M30+RC-00K	HDMI Extender w/IR 1600

HDMI EXTENDER OVER CAT5

With this HDMI extender over Cat5e/6 you can extend an HDMI signal over 100 metres. The product contains HDBaseT technology which allows you to send video, power and ethernet signal over one cable. Maximum resolution is 1080p / 2048 x 1152. HDCP compatible. Also included is 3D video support. HDMI version 1.4. The product contains phantom power which means that you can use only one power supply at either one of the units (transmitter part or receiver part). Compact size, easy to set up and simple to install. Ideal for hotels, conference rooms, digital signage and surveillance cameras.

Technical specifications

Video in	: 1x HDMI (female)
Video out	: 1x HDMI (female)
Max. resolution	: 1080p / 2048 x 1152
Cable length	: 100 m
Power	: 12V DC (phantom power, delivered)

Type no.	Supplier no.	Type
TV2009	EVBMN-M110	HDMI extender

DVI EXTENDER OVER FIBER 800 METRES

This DVI extender enables you to extend a DVI signal up to 800 metres. Maximum resolution that can be achieved is 1920x1200. No software or driver installation is required.

Technical specifications

Max. resolution	: 1920x1200
Video in	: 1x DVI (female)
Video out	: 1x DVI (female)
Audio in/out	: 1x 3.5 mm jack (female)
Extension distance	: 800 m
Power	: 2x 9V DC @ 1.5A (enclosed)

Type no.	Supplier no.	Type
AB3012	FVDA-M040+RC-00	DVI Extender over 800 metres

VGA EXTENDER 900 METRES

This device extends a VGA and audio signal up to 900 metres via a CATx cable. The device extends up to 300 metres. However, with 2 repeaters you can bridge a maximum distance of 900 metres. With the jog wheel, all video settings can be realized. The maximum resolution is 1920x1080 up to 900 metres. The device has a compact design for easy installation.

- Can be cascaded.
- Rack mountable.
- Supports EDID and HDCP.

Technical specifications

Max. resolution	: 1920x1200
Video in	: 1x HD D-Sub 15-pins (female)
Video out	: 2x HD D-Sub 15-pins (female)
Audio in	: 1x 3.5 mm jack (female)
Audio out	: 2x 3.5 mm jack (female)
Max. distance length	: Standard 300 m, with two repeaters 900 m
Power	: 9V DC @ 200mA (enclosed)

Type no.	Supplier no.	Type
AB3014	EXVA-12L	VGA+Audio Transmitter
AB3016	EXVA-321X	VGA+Audio Repeater
AB3018	EXVA-320R	VGA+Audio Receiver

HDMI + AUDIO SPLITTER

This HDMI splitter splits your signal to multiple outputs.

- No software or driver installation required.

Technical specifications

Max. resolution	: 1920x1080
Video in	: 1x HDMI (female)
Video out	: 2/4 or 8 x HDMI (female)
Audio in	: 1x 3.5 mm jack (female)
Audio out	: 2/4 or 8 x 3.5 mm jack (female)
Power	: 12V DC (enclosed)

Type no.	Supplier no.	Number of output ports
AB3028	VSMA-102	2
AB3030	VSMA-104	4
AB3032	VSMA-108	8

DVI SPLITTER

This splitter sends the video and audio output of one video and audio source to 2,4 or 8 DVI compatible outputs. Furthermore, the device contains cascade options for more outputs. Support for EDID and HDCP. The product is also rack mountable (for 4- and 8-ports versions).

- Rack mountable.

Technical specifications

Max. resolution	: 1920x1200
Video in	: 1x DVI-D (single-link, female)
Video out	: 2x DVI-D (single-link, female)
Audio in/out	: 1x 3.5 mm jack/4x 3.5mm jack (female)
Power	: 12V DC (enclosed)

Type no.	Supplier no.	Number of output ports
AB3038	VSDA-102	2
AB3040	VSDA-104	4
AB3042	VSDA-108	8

SPLITTERS

VGA SPLITTER

This video and audio splitter series broadcast the video and audio signals of one video and audio signal source to 4 or 8 VGA compatible outputs respectively. The broadcast can be expanded significantly when multiple splitters are cascaded simultaneously. There is no need for software or interface card installation. Just connect the cables, power up the system and you are ready to have duplicated video images for multiple monitors with excellent clarity.

- Can be cascaded.
- Rack mountable.
- Supports EDID and HDCP.

Technical specifications

Max. resolution	: 1920x1440
Video in	: 1x HD D-Sub 15-pins (male)
Video out	: 4 or 8 x HD D-Sub 15-pins (female)
Max. extension length	: 65 m
Power	: 9V DC @ 200mA (delivered)

Type no.	Supplier no.	Number of outputs
AB3034	VSVA-104	4
AB3036	VSVA-108	8

SWITCHES

DISPLAYPORT + AUDIO SELECTOR

This DisplayPort and Audio selector is suitable for selecting 1 DisplayPort signal from 4 various DisplayPort and audio sources. Switching between the sources is possible via the front panel buttons. Support for IR remote control and serial control. The product is rack mountable.

Technical specifications

Max. resolution	: 2560x1600
Video in	: 4x DisplayPort (female)
Video out	: 1x DisplayPort (female)
Audio in	: 4 x 3.5 mm jack (female)
Audio out	: 1x 3.5 mm jack (female)
Power	: 12V DC (enclosed)

Type no.	Supplier no.	Type
AB3026	VSPA-S401+RC-34	DisplayPort Switch

HDMI + AUDIO SELECTOR

This HDMI and audio selector enables you to switch between 4 different HDMI sources. Via the front buttons of the device switching is made easy. The maximum resolution that is being supported is 1920x1200/Full HD.

- Rack mountable (for 4 and 8 ports).
- Quick installation.
- Cascadable.

Technical specifications

Max. resolution	: 1920x1200
Video in	: 4x HDMI (female)
Video out	: 1x HDMI (female)
Audio in	: 4x 3.5 mm jack (female)
Audio out	: 1x 3.5 mm jack (female)
Power	: 12V DC (enclosed)

Type no.	Supplier no.	Type
AB3024	VSMA-S401+RC-34	HDMI Switch 4-ports

DVI SWITCH

This DVI switch allows you to select 1 DVI (and audio) from 4 different DVI (and audio) sources. Contains front buttons for easy switching. The maximum resolution support is 1080p (1920x1200) resolution. Supports remote and serial control function.

Technical specifications

Max. resolution	: 1920x1200
Video in	: 4x DVI (female)
Video out	: 1x DVI (female)
Audio in	: 4x 3.5 mm jack (female)
Audio out	: 1x 3.5 mm jack (female)
Power	: 12V DC (enclosed)

Type no.	Supplier no.	Type
AB3022	VSDA-S401+RC-34	DVI Switch 4-ports

VGA + AUDIO SELECTOR

This VGA and Audio selector VSVA-401 / VSVA-801 offers 4 video and audio signal inputs from PC sources. This device is ideal for a wide variety of applications such as meetings, presentations, seminars etc. With its easy-to-use setup, the video selector is simple to operate. Moreover, it provides high resolution capability of up to 1920 x1440, which enables you to use higher VGA signal sources with excellent quality.

- Rack mountable.
- Auto-scan detects linked computers.
- Supports VGA resolutions up to 1920x1440.

Technical specifications

Max. resolution	: 1920x1440
Video in	: 4x HD D-Sub (15-pins) VGA (male)
Video out	: 1x HD D-Sub (15-pins) VGA (female)
Audio in	: 4x 3.5 mm jack (female)
Audio out	: 1x 3.5 mm jack (female)
Power	: 12V DC (delivered)

Type no.	Supplier no.	Type
AB3020	VSVA-S401+RC-34	VGA Switch

HDMI ADAPTER OVER LAN

This HDMI adapter uses your existing LAN system to add an HDMI output in your LAN. Easily add an extra display via the Ethernet or USB port. Small and convenient design for easy installation. Up to 4 units can be daisy chained and connected to an Ethernet hub. Supports resolutions up to 2048x1152. Fully supports Windows and Mac OS systems.

Technical specifications

Max. resolution	: 2048x1152
Signal In	: 1x RJ-45 , 1x USB-B (female)
Video out	: 1x HDMI (female)
Power	: 5V DC @ 800mA (enclosed)

Type no.	Supplier no.	Type
AB3008	VCNM-H92	HDMI Adapter over LAN

DVI + AUDIO ADAPTER OVER LAN

This adapter provides LAN connectivity via a CAT5 cable (or USB cable) for DVI/VGA and audio extension from a single video source display device. Maximum resolution that can be achieved is 1920x1080. The product supports both Windows as well as MAC OS systems. Up to 4 units can be daisy chained at a time.

Technical specifications

Max. resolution	: 2048x1152
Signal In	: 1x RJ-45 (female), 1x USB-B (female)
Video out	: 1x DVI-D (female)
Power	: 5V DC @ 800mA (enclosed)

Type no.	Supplier no.	Type
AB3006	VACND-G92	DVI Adapter over LAN

VGA + AUDIO ADAPTER OVER LAN

This video and audio adapter provides LAN connectivity via a CAT5 cable (or USB cable) for DVI/VGA and audio extension from a single video display device. The maximum resolution that can be achieved is 1920x1080. Supports both Windows and Mac systems. Up to 4 units can be daisy chained.

- Small design for convenient installation.

Technical specifications

Max. resolution	: 2048x1152
Signal In	: 1x RJ-45 (female), 1x USB B (female)
Video out	: 1x HD D-Sub 15 pin (female)
Power	: 5V DC @ 800mA (enclosed)

Type no.	Supplier no.	Type
AB3004	VACNA-G92	VGA Adapter over LAN

EXTENDERS

AV Link

AV Link makes reliable equipment for professional audio and video signal distribution and extension. It is an innovative company that is committed to its R&D. With continuous process and product innovation, AV Link can always apply the latest technologies in its products.

If you want to extend, split, amplify or switch a video signal, AV Link always provides the most solid and modern products at a fair price.

HDMI EXTENDER

Via this HDMI extender, you can use one DVD to display identical image and extension of HDMI signal up to 100 meter on HDTV. The product is HDCP compatible and supports power over cable. Also 3D signal is supported and CEC pass-through functionality. Support for RS-232 serial control. Extension can de done via CAT UTP cable. Maximum resolution up to 1080p. The product contains HDBaseT technology which allows you to send video, power and Ethernet over one cable.

Technical specifications

Max. resolution	: 1080p
Video in	: HDMI Type A (female)
Video out	: HDMI Type A (female)
Cable distance	: 100 m
Power (included, locking)	: 48V DC

Type no.	Supplier no.	Type
TV2001	HDMI-FXW	HDMI Extender

HDMI 1.4 EXTENDER

This HDMI extender is suitable for the HDMI 1.4 standard. It supports 3D functionality for your HDMI device. The product is HDCP compliant. Extension can be realised with a CAT5 cable. Maximum resolution support is up to 1080p. Based on HD-baseT technology.

- Supports 3D functionality.
- Including 2 power adapters.
- Including serial connection.

Technical specifications

Max. resolution	: 1080p @ 60Hz
Video in	: 1x HDMI 1.4, 1x HDMI bypass (female)
Video out	: 1x HDMI (female)
Max. distance	: 100 m
Power	: 12V DC (enclosed)

Type no.	Type
AB7410	HDMI 1.4 Extender

HDMI 1.3 EXTENDER + DDC/HDCP SUPPORT

This HDMI extender extends HDMI signals up to a distance of 30 metres max., using two regular network cables. Besides HDMI version 1.3, the AB7400 also supports transmission of DDC and HDCP signals.

- DDC and HDCP support.

Technical specifications

Max. resolution	: 1080p
Video in	: 1x HDMI 1.3 (female)
Video out	: 1x HDMI 1.3 (female)
Max. length system cable 8 bit	: 30 metres CAT5/20 metres CAT6 m
System cable	: Twisted pair (CAT5E, CAT6, etc)
Power supply	: 5V DC @ 1.2 A (enclosed)

Type no.	Maximum range
AB7400	60m

DVI EXTENDER SET + DDC/HDCP SUPPORT

This digital video extender set extends DVI-D signals at a distance of max. 50 metres, using regular network cables. Maximum resolution of 1600x1200 @ 60 Hz at 30 metres up to 1280x1024 @ 60 Hz at 50 metres are possible.This extender set supports both DDC and HDCP signals.

- DDC and HDCP support.

Technical specifications

Max. resolution	: 1600x1200 @ 60 Hz
Video in	: 1x DVI-I (female)
Video out	: 1x DVI-I (female)
Max. length system cable	: 50 m
System cable	: Twisted pair (CAT5E, CAT6, etc)
Power supply	: 5V DC @ 1 A (enclosed)

Type no.	Maximum range
AB7302	50m

DVI EXTENDER SET

This digital video extender set extends DVI-D signals to a distance of max. 50 metres, using regular network cables. Maximum resolutions of 1600x1200 @ 60 Hz at 30 metres up to 1280x1024 @ 60 Hz at 50 metres are possible.

Technical specifications

Max. resolution	: 1600x1200 @ 60 Hz
Video in	: 1x DVI-I (female)
Video out	: 1x DVI-I (female)
Max. length system cable	: 50 m
System cable	: Twisted pair (CAT5E, CAT6, etc)
Power supply	: 5V DC @ 1A (enclosed)

Type no.	Maximum range
AB7300	50m

VGA + AUDIO EXTENDER SET

Extend an audio and VGA connection of a system over 180 metres using standard twisted pair cabling, like CAT5E or CAT6. Next to the VGA output on the transmitter - which enables a local video connection - there is a microphone input socket. The output of this microphone connection is also the audio out socket of the receiver.

- VGA out on the transmitter for a local video connection.
- Microphone input with adjustable gain available on the transmitter for output on the receiver.
- Screws for manually adjustment equalize and gain.
- Including an audio and video cable (1.20m)

Technical specifications

Max. resolution	: 1600x1200 @ 60 Hz
Video in	: 1x HD D-Sub 15-pins (female)
Video out	: 1x HD D-Sub 15-pins (female)
Audio in/out	: 3.5 mm jack (female)
Max. length system cable	: 180 m
System cable	: Twisted pair (CAT5E, CAT6, etc)
Power supply	: 12V DC @ 600 mA (enclosed)

Type no.	Maximum range
AB7220	180m

COMPACT VGA EXTENDER SET PRO

Professional extender set to extend video signals to a distance of max. 300 metres. The video extender set uses regular network cables. Due to its compact measurements, this system is suitable for digital signage applications.

- The small size of the units makes them ideal for use in small places.

Technical specifications

Max. resolution	: 2048 x 1536@ 60Hz
Video in	: 1x HD D-Sub 15-pins (female)
Video out	: 1x HD D-Sub 15-pins (female)
Max. length system cable	: 300 m
System cable	: Twisted pair (CAT5E, CAT6, etc)
Power	: 12V DC @ 600 mA (enclosed)

Type no.	Max. range
AB7231	300m

EXTENDERS

VGA EXTENDER WITH LOCAL CONNECTION

Through this VGA Extender, you can use one PC to display identical image and extension of VGA signal up to 180 meter on monitors. Equalization length is adjustable. VGA signal gain is adjustable. On the transmitter side there is an extra VGA connection which enables you to see what is being transmitted at the receiver side on your local screen.

- 2x Power Adapter 12V DC, screws, foot pads

Technical specifications

Max. resolution	: 1920 x 144 @ 60 Hz
Video in	: 2x HD D-Sub 15-pins (female)
Video out	: 1x HD D-Sub 15-pins (female)
Power adapter	: 12V DC

Type no.	Max. distance
AB7758	VGA Ext. 180 M Local
AB7760	VGA Ext. 300M Local

VGA EXTENDER

With this VGA extender, you are able to extend the signal of a VGA source to 180 metres. The maximum resolution that can be achieved is 1920x1440 @ 60 Hz.

- Including 2 power adapters.
- Including foot pads and screws.

Technical specifications

Max. resolution	: 1920x1440 @ 60Hz
Video in	: 1x HD D-Sub 15-pins (female)
Video out	: 1x HD D-Sub 15-pins (female)
Max. length system cable	: 180 m
Power	: 2x 12V DC (enclosed)

Type no.	Type
AB7754	VGA Ext. 180 M Not Local
AB7756	VGA Ext. 300 M not local

COMPACT VGA EXTENDER SET

This compact VGA video extender set is suitable for mounting in locations where little space and/or no power connection is available, because of the small size of the units and the fact that only one of the units needs to be powered with an external power adapter. The maximum extension distance can be lengthened to 120 metres by adding a second power adapter (AB7290) to the extender set.

- Power required for only one unit, transmitter or receiver.
- Compact design.
- Maximum system cable length can be lengthened to 120 metres with a second power adapter.

Technical specifications

Max. resolution	: 2048 x 1536 @60Hz
Video in	: 1x HD D-Sub 15-pins (female)
Video out	: 1x HD D-Sub 15-pins (female)
Max. length system cable	: 80 m
System cable	: Twisted pair (CAT5E, CAT6, etc)
Power supply	: 12V DC @ 600 mA (enclosed)

Type no.	Kind
AB7230	VGA extender

COMPACT AUDIO EXTENDER SET

Very compact audio extender set for extending both audio and microphone signals, using regular network cables. The maximum distance is 300 metres.

- Built-in microphone pre-amplifier.

Technical specifications

Audio in	: 1x 3.5 mm jack (female)
Audio out	: 1x 3.5 mm jack (female)
System cable	: Twisted pair (CAT5E, CAT6, etc)
Max. length system cable	: 300 m
Power supply	: 9V DC @ 300 mA (enclosed)

Type no.	Maximum range
AB7500	300m

HDMI DISTRIBUTION AMPLIFIER

This HDMI distribution amplifier sends out an HDMI signal to 8 output signals. The product is HDCP compliant and supports resolutions up to 4Kx2K @ 30 Hz or 1080p @ 60 Hz, 12-bits. Support for 3D pass through and high definition audio (Dolby, TrueHD, Dolby Digital Plus and DTS-HD MA). Support for IR remote, RS-232/RS-485 and Ethernet control. The power supply is universal and internal. The maximum extension distance is 100 metres.

Technical specifications

Video in	: HDMI type A (female)
Video out	: 8x UTP (RJ-45)
Max. resolution	: 4Kx2K @ 30 Hz, 8-bit
Max. distance	: 100 m
Power	: 100V AC - 240V AC

Type no.	Supplier no.	Type
TV2002	HDMI-E8	HDMI Distribution Amplifier

DVI SPLITTER

Split your DVI video signal in two and enhance the range to 10 metres.

- Solid metal enclosure.
- Cascadable.

Technical specifications

Max. resolution	: 1600x1200 @ 60 Hz
Video in	: 1x DVI-I (female)
Video out	: 2x DVI-I (female)
Power	: 12V DC @ 600 mA (enclosed)

Type no.	Supplier no.	Video out
AB7863	DS-912F	2x DVI-I female
AB7865	DS-914F	4x DVI-I female

VGA + AUDIO SPLITTER

This broadcaster splits a single video and audio signal into two separate signals which can be extended to a maximum of 300 metres with regular networking cables. This broadcaster should be used in combination with the audio and video receivers or splitters in its range.

- Also provides local HD D-Sub 15-pins VGA output.

Technical specifications

Max. resolution	: 1280x1024 @ 60 Hz
Video in	: 1x HD D-Sub 15-pins (female)
Video out	: 1x HD D-Sub 15-pins (female)
Audio in	: 2x 3.5 mm jack (female)
System cable	: Twisted pair (CAT5E, CAT6, etc.)
Max. length system cable	: 300 m
Power supply	: 12V DC @ 600 mA (enclosed)
Dimensions (L x W x H)	: 220 x 119,5 x 41 mm

Type no.	Type
AB7222	2-port splitter
AB7224	4-port splitter

AUDIO + VIDEO RECEIVER

This audio and video signal receiver can be combined with broadcasters within the AV Link portfolio. Audio and video signals can then be extended up to a distance of 300 metres, using regular networking cables. This receiver is equipped with an equalizer and gain control.

Technical specifications

Max.resolution	: 2048 x 1536 @ 60 Hz
Input	: 1x RJ-45 (female)
Video out	: 1x HD D-Sub 15-pins (female), 1x 3.5 mm jack (female)
Max. length	: 180 m
Power supply	: 12V DC @ 6 A (enclosed)

Type no.	Type
AB7221	Receiver

MATRICES

HDMI MATRIX 8 PORTS

With this HDBaseT HDMI Matrix unit you are able to select 8 output ports from 1 single source input. The signal can be extended with HDMI or CAT5 cabling. It supports HDBaseT technology, which means it can transfer various type of data over one cable.

Technical specifications

Max. distance	: 100 (CATx), 10 (HDMI) m
Video in	: 1x HDMI
Video out	: 8x RJ-45 UTP
Max. resolution	: 4K x 2K @ 30Hz
Power	: 100-240V AC internal

Type no.	Supplier no.	Type
TV2008	HX-2488	HDMI Matrix 8 ports

HDMI RECEIVER UNIT

Through the HDMI Extender, you can use one source device (HDBaseT output port) to display identical image and extension of HDMI signal up to 100 meter on HDTV. Compatible unit for the TV2002 and TV2008.

Technical specifications

Video in	: 1x HDMI
Video uit	: 1x HDMI

Type no.	Supplier no.	Type
TV2003	HX-RW	HDMI receiver unit

VIDEO/AUDIO SELECTOR

This video/audio selector enables you to switch between different computers to lead a VGA signal to a beamer or extra monitor. A maximum of 4 computers can be connected to one beamer or monitor.

Technical specifications

Max. resolution	: 1920x1440 @ 60 Hz
Video in	: 4x HD D-Sub 15-pins (female)
Video out	: 1x HD D-Sub 15-pins (female)
Audio in/out	: 4x 3.5 mm jack (female)

Type no.	Type
AB7850	Video/Audio Selector

19" VGA MATRIX SWITCH

This professional VGA matrix switch from AVLink enables independent video source selection for multiple display devices. Management is done with the frontside buttons or through RS-232/RS-485. A video bandwidth of 200 MHz at maximum load is supported. Switch time is maximum 50 ns at a maximal signal delay of 20 ns (± 1 ns).

Technical specifications

Max. resolution	: 2048x1536 @ 200 Hz
Video in	: HD D-Sub 15-pins (female)
Video out	: HD D-Sub 15-pins (female)
Power supply	: AC 100 ~ 240V (cable included)

Type no.	Type
AB7240	4x4 Video Matrix Switch
AB7242	8x8 Video Matrix Switch

MRM-701 MULTI-FORMAT TO HDMI CONVERSION BOX

The MRM-701 is a multi-format to HDMI converter for digital and analog video input. It combines five independent switches in a single compact enclosure. 3x HDMI with embedded audio, 1x VGA, 1x YPbPr video, 1x CVBS, 1x S-Video and 4x 1 analog stereo audio. The MRM-701 features 3 selectable switching modes, including the ability to route all and HDMI sources to the display using a single HDMI cable. Continious EDID communications between the HDMI and VGA sources and the display device ensures the reliable display of video.

- Incl remote, 1x RS-232 cable, 2 rack rails, 6 screws

Technical specifications

Video inputs	: 3x HDMI, 1x VGA, 1x YPbPr, 1x CVBS, 1x S-Video
Video outputs	: 1x HDMI
Audio input	: 3x RCA (red/white), 1x 3.5 mm jack
Max. resolution	: UXGA, 1080p
Power	: 12V DC with lock (delivered)

AVLINK

Type no.	Supplier no.	Type
TV8021	MRM-701	Multi-format converter

Hank

Hank is a manufacturer which concentrates on HDMI equipment, cables and accessories. It has its own R&D department and offers HD digital products and accessories including cables, matrix switches, splitters, extenders and converters. All its products are ISO14001 and ISO9000/9001 certified and comply with CE, FCC and RoHS.

HANK®

HDMI EXTENDER SET OVER UTP/FTP

Extend an HDMI connection with this extender set. For this product, two CAT5E or CAT6 UTP/FTP cables can be used. Compatible with HDMI 1.3b.

Technical specifications

Max. resolution	: 1920x1200 @ 1080p
Video in	: 1x HDMI (female)
Video out	: 1x HDMI (female)
Systeem cable	: 2x UTP/FTP (CAT5E, CAT6, etc.)
Max. length system cable	: 30 meter AB7722/50 meter AB7723
Power	: 5V DC @ 1.2 A (external, power supply enclosed for AB7723 only!)

HANK®

Type no.	Type
AB7722	HDMI extenderset over 30m UTP/FTP
AB7723	HDMI extenderset over 50m UTP/FTP

HDMI REPEATER

The AB7730 extends the length of any HDMI cable by regenerating the HDMI signal before it is sent to an HDMI display.

- No need for power supply
- Easy plug & play installation.

Technical specifications

Max. resolution	: 1920x1200, 1080p
Video in/out	: 1x HDMI (female)
HDMI version	: 1.4a (3D support)
Max. input cable length	: 15 m
Max. output cable length	: 40 m
Dimensions (L x W x H)	: 50 x 25 x 15 mm

HANK®

Type no.	Max. output length
AB7730	20m

SPLITTERS

HDMI SPLITTER 1:4 OVER UTP/FTP

Next to splitting a single HDMI connection to multiple outputs, this switch also extends an HDMI signal over a distance of 40 metres over two CAT5E or CAT6 UTP/FTP cables per HDMI connection. At the receiver side, an HDMI receiver module is necessary to connect the monitor. These HDMI receiver modules are available separately.

- HDMI 1.4a compatible.
- Splits and extends HDMI up to 4 times over 40 metres.

Technical specifications

Max. resolution	: 1080p
Video in	: 1x HDMI (female)
Video out	: 4x via RJ-45 (female)
System cable	: 2x UTP/FTP (CAT5E, CAT6, etc.)
Max. length system cable	: 40 m
Power	: 9V@ 4A (enclosed)

Type no.	Type
AB7718	HDMI splitter 1:4 over UTP/FTP

HDMI SPLITTER 1:16

When a single HDMI signal needs to be displayed to a large number of screens, this splitter is most probably the ideal solution. This splitter splits to maximum 16 HDMI outputs and is cascadable twice. The product is designed to be mounted in a 19" rack.

- HDMI 1.4a compatible.
- Cascadable up to two times.
- 19" rack mountable.

Technical specifications

Max. resolution	: 1080p
Video/audio in	: 1x HDMI (female)
Video/audio out	: 16x HDMI (female)
Power	: 5V DC @ 3 A (enclosed)

Type no.	Type
AB7717	HDMI splitter 1:16

HDMI SPLITTER 4 PORTS

With this HDMI splitter you can split an incoming HDMI signal to 4 HDMI outputs. HDMI version 1.4, so also 3D signal is supported. The maximum distance the product can extend is 100 metres. Maximum resolution is 1080p. Compatible with HDCP version 1.2. Version contains HDBaseT version, which allows you to send data such as video, power and ethernet over one cable.

Technical specifications

Max. distance	: 100 m
Video in	: 1x HDMI (female)
Video out	: 4x HDMI (female)
Power	: 9V DC @ 2A
Max. resolution	: 1080p

Type no.	Supplier no.	Type
TV2006	HKHB0104MC	4 ports Splitter

HDMI SPLITTER 8 PORTS

With this HDMI splitter for 8 ports you can split an incoming HDMI signal to 8 outputs. The product is compatible with the HDBaseT technology which allows you to send video, power and ethernet. The maximum length for this extender is 100 metres. Maximum resolution is 1080p. 3D support is also enabled. HDMI version 1.4.

Technical specifications

Max. distance	: 100
Video out	: 8x HDMI
Power	: 9V DC @ 2A (enclosed)
Video in	: 1x HDMI

Type no.	Supplier no.	Type
TV2007	HKHB0108BC	8 ports Splitter

HDMI SPLITTER 2-PORTS

This HDMI splitter splits 2 HDMI signals. HDMI version 1.4a and HDCP 1.2 compatible. 3D support.

- With 0.2 metre HDMI cable.

Technical specifications

Max. resolution	: 1080p
Video in	: 1x HDMI (male)
Video out	: 2x HDMI (female)

Type no.	Supplier no.	Type
AB7707	HKSP0102PT	HDMI splitter

HDMI RECEIVER OVER UTP/FTP

This receiver can be used in combination with the Hank products which send an HDMI signal over two UTP/FTP cables. This way, you will not need more receivers than necessary and extension can be realised at any point in time.

- Automatic equalization,clock phase- and feedback amplification adjustment.

Technical specifications

Max. resolution	: 1080p
Video in	: 1x HDMI (female)
Video out	: 1x HDMI (female)
Max. length system cable	: Depends on the transmitter m
System cable	: 2x UTP/FTP (CAT5E, CAT6, etc.)
Power	: 5V, 1.2 A (enclosed)

Type no.	Type
AB7719	HDMI receiver over UTP/FTP

HDMI SPLITTER 1:4

Split a connection from one single HDMI source to four HDMI connections. The compact metal enclosure with mounting option makes the switch easy to use in many situations.

- Compact mountable design
- HDMI 1.4a compatible

Technical specifications

Max. resolution	: Full HD 1080p
Video in	: 1x HDMI female
Video out	: 4x HDMI female
Power	: 5V @ 1.2 A (enclosed)

Type no.	Type
AB7706	HDMI splitter 1:4

IR TRANSMITTER

This IR transmitter can be used for all Hank HDMI matrices, splitters, switches and extenders. This allows for extension of over 100 metres.

- Can be extended over 100 metres.

Technical specifications

Cable length	: 1.5 m
Power	: Bus powered

Type no.	Type
AB7709	IR Transmitter

SPLITTERS

IR RECEIVER

This IR receiver can be used for all Hank HDMI matrices, splitters, switches and extenders. This allows for extension of over 100 metres.

- Can be extended over 100 metres.

Technical specifications

Cable length	: 1.5 m m
Power	: Bus powered

Type no.	Type
AB7710	IR Receiver

IR ADAPTER

This IR adapter can be used for all Hank HDMI matrices, splitters, switches and extenders. This allows for extension of over 100 metres.

- Can be extended over 100 metres.

Technical specifications

Power	: Bus powered

Type no.	Type
AB7711	IR HDMI Adapter

SWITCHES

HDMI 1.3 SWITCH 5X1, 1080P

The AB7705 is a full routing type 5-by-1 HDMI switch in mini metal housing. It allows any source (Blu-Ray player, HD DVD player, satellite receiver, game console etc) to be presented on any display, regardless the fact if the source is HDCP or not. The AB7705 has the ability of equalization and amplification to ensure HDMI signal transmission with long cables without quality loss. The AB7705 offers solutions for digital entertainment centers, HDTV retail and show sites, security concerns, data centers, conference room presentations, and educational and corporate training environments.

- Including IR plug.

Technical specifications

Max. resolution	: 1080p
Video in	: 5x HDMI 1.3 female
Video out	: 1x HDMI 1.3 female
Power supply	: 5V DC @ 3 A (enclosed)

Type no.	Inputs
AB7705	5 x HDMI-A

MATRICES

HDMI MATRIX 4:4

With this HDMI matrix switch, it is possible to combine various HDMI sources and HDMI screens. This can be done via push buttons on the matrix switch or via RS-232. The matrix switch can be mounted on a 19" rack mount.

- HDMI 1.4a compatible.

Technical specifications

Max. resolution	: Full HD 1080p
Video in	: 4x HDMI (female)
Video out	: 4x HDMI (female)
Power	: 5V @ 3 A (enclosed)
Switch method	: RS-232 and device buttons

Type no.	Type
AB7746	HDMI Matrix 4:4

HDMI MATRIX SERIES

This HDMI Matrix switches 4 or 8 HDMI inputs to 4 or 8 HDMI outputs. The maximum distance the device can handle is 100 metres. It is rack-mountable and supports a maximum resolution of 1080p. Required power is 12V DC @ 10A and an adapter is included. HDCP compatible with version 1.2. Included are 4 receivers with HDBaseT option.

Technical specifications

Video in	: 4x HDMI type A (female)
Video out	: 4x RJ-45 (female)
Max. distance	: 100 m
Power	: 12V DC @ 12A
Max. resolution	: 4K x 2K @ 30 Hz, 8-bit

Type no.	Supplier no.	Number of ports
TV2004	HKHB0404BC	4
TV2005	HKHB0808BC	8

HDMI CAT5 LONG RANGE EXTENDER

This HDMI CAT5 extra long range extender extends your HDMI signal to 100 metres. The maximum resolution that is supported is 1080p.

Technical specifications

Max. resolution	: 1080p @ 60 Hz
Video in	: 1x HDMI (female)
Video out	: 1x HDMI (female)
System cable	: UTP CAT5/5E/6
Max. distance	: 100 m
Power	: 5V DC (enclosed)

Type no.	Type
SC1500	Cat.5 Long Range Extender

HDMI CAT5 LONG RANGE EXTENDER+IR+RS-232

The HDMI CAT5 extender is able to extend your HDTV display to 100 metres at 1080p. The product controls signals via RS-232 or IR remote control. The maximum data rate is 10 Gbps. HDMI 1.3 and HDCP compatible.

Technical specifications

Max. resolution	: 1080p @ 60 Hz
Video in	: 1x HDMI (female)
Video out	: 1x HDMI (female)
System cable	: CAT 5/5E/6
Max. distance	: 110 m
Power supply	: Bus powered

Type no.	Type
SC1501	Cat.5 Long Range Extender+IR+RS-232

HDMI CAT5 EXTENDER 70M

With this HDMI CAT5 extender you can extend your HDTV signal up to 70 metres at 1080i and 50 metres at 1080p. It is equipped with HDMI connectors and also supports DVI equipment.

Technical specifications

Max. resolution	: 1080p @ 60 Hz
Video in	: 1x HDMI (female)
Video out	: 1x HDMI (female)
System cable	: CAT5/5E/6
Max. distance	: 70m @ 1080i, 45m @ 1080p
Power supply	: 5V DC @ 2 A (enclosed)

Type no.	Type
SC1502	CAT5 Extender 50m

EXTENDERS

HDMI EXTENDER SET 30/50M

With this HDMI Cat5 extender you can extend your HDTV signal to 30 metres at 1080p resolution.

Technical specifications

Input	: 1x HDMI
Output	: 1x HDMI
Max. resolution	: 1080p @ 60 Hz
Power supply	: Bus powered
Max. distance	: 50 m

Type no.	Type
SC1503	HDMI Receiver 30m

DVI CAT5 EXTENDER

With the DVI over Cat5 extender you can extend your PC DVI signal to 25 metres with a resolution of up to 1920 x 1200.

Technical specifications

Max. resolution	: 1920x1200
Video in	: 1x DVI-D (male)
Video out	: 1x DVI-D (male)
System cable	: UTP CAT5/5E/6
Power supply	: Bus powered

Type no.	Max. distance
SC1504	25m
SC1505	70m

DVI EXTENDER SET

The long range extender (transmitter) can be used for transmitting a DVI signal over a distance up to 45 metres at a resolution of 1280x1024 and 25 metres at a resolution of 1920x1200. The long range extender can automatically set up, making installation and use very easy.

- Including magnetic bottom and mounting plate.
- Automatically and manually adjustable.

Technical specifications

Max. resolution	: 1280x1024
Video in	: 1x DVI-D (female)
Video out	: 1x DVI-D (female)
Max. length system cable	: 45m @ 1280x1024, 25m @ 1920x1200 m
System cable	: Twisted pair (CAT5E, CAT6, etc)
Power	: 9V DC (enclosed)

Type no.	Maximum range
AB7178	45m

COMPACT DVI EXTENDER SET

This DVI extender is easy to use and can be applied to transmit DVI signals over a maximum distance of 15 metres, by using a standard CAT5E or CAT6 cable.

Technical specifications

Max. resolution	: 1280x1024
Video in	: 1x DVI-D (male)
Video out	: 1x DVI-D (male)
Max. distance	: 15 m
System cable	: Twisted pair (CAT5E, CAT6, etc)

Type no.	Maximum range
AB7174	15m

VGA EXTENDER 70M

This VGA CAT5 extender extends a VGA signal over a CAT5 UTP cable. The maximum extension distance is 70 metres. Maximum resolution is 1920x1200.

Technical specifications

Max. resolution	: 1920x1200
Video in	: 1x HD D-Sub 15-pin (female)
Video out	: 1x HD D-Sub 15-pin (female)
System cable	: UTP CAT5/5E/6
Max. distance	: 70 m
Power supply	: 12V DC @ 5A (enclosed)

Type no.	Type
SC1508	VGA CAT5 Extender 70m
SC1509	VGA + Audio CAT5. Ext. 70m

CAT5 VGA EXTENDER

VGA extender for easy transportation of a VGA signal over a standard CAT5E cable.
Ideal for transmitting video signals over large distances.

- Requires no external power supply.
- Ideal for maintenance of screens at large distances.

Technical specifications

Max. resolution	: 1280x1024 @ 100 Hz
Video in	: 1x HD D-Sub 15-pins (female)
Max. cable length	: 135 metres
Video out	: 1x HD D-Sub 15-pins (female)

Type no.	type
SC1160	CAT5 VGA Extender

VGA + RS-232 EXTENDER SET

This VGA and RS-232 extender set transmits a VGA and RS-232 signal over a distance up to 300 meters, using a standard CAT5E or CAT6 cable. This makes the extender ideal for application with touch screen displays. The extender also has a local output.

- Magnetic bottom and mounting plate for easy mounting.
- Manually adjustable gain and equalizing for optimal video quality.
- Also extends a serial 9-pins D-Sub connection.

Technical specifications

Max. resolution	: 1600x1200
Video in	: 1x HD D-Sub 15-pins (male)
Video out	: 1x HD D-Sub 15-pins (female)
Video out receiver	: 1x HD D-Sub 15-pins (male)
System cable	: Twisted pair cable (CAT5E, CAT6, etc.)
Max. length system cable	: 300 m
Power supply	: 7,5V AC (enclosed)

Type no.	Max. range
AB7210	300m

EXTENDERS

VGA + AUDIO EXTENDER SET

Transmit a video and audio signal over a distance up to 300 metres using standard twisted pair cabling (e.g. CAT5E or CAT6) with this extender set. Thanks to the VGA and audio output on the transmitter next to the system cable connection, both local and remote outputs are possible. When the USB connecton of the transmitter to the computer is not sufficient, the seperate available power adapter can be used to feed the transmitter.

- Including magnetic bottom and mounting plate for easy mounting.
- Manual focus and gain setting for optimal video quality.
- Local VGA and audio output on the transmitter unit.
- The transmitter is powered by the USB port, so installation is simple.

Technical specifications

Max. resolution	: 1900x1200
Video in	: 1x HD D-Sub 15-pins (male)
Video out	: 1x HD D-Sub 15-pins (female)
Audio in/out	: 1x 3.5 mm jack (female)
Max. length system cable	: 300 m
System cable	: Twisted pair (CAT5E, CAT6, etc)
Power supply	: Transmitter: by USB port. Receiver DC 5V (enclosed)

Type no.	Kind
AB7182	AV extender

POWER ADAPTER FOR AB7182

Power adapter for receiver side of the AB7182

Technical specifications

Current details	: 5V, 1 A

Type no.	Type
AB7189	Optional poweradapter

MINI VGA + AUDIO EXTENDER SET

Compact VGA and audio extender, allows signal transport up to 150 meters. The extender uses standard CAT5e or CAT6 cable, making it a cost effective solution for transporting video and audio signals over a large distance. The remote side has a manual focus switch for optimal image quality.

- Small extender units which save space.
- Transmitter is powered by a USB connection.

Technical specifications

Max. resolution	: 1600x1200
Video in	: 1x HD D-Sub 15-pins (male)
Video out	: 1x HD D-Sub 15-pins (male)
Audio in/out	: 1x 3.5 mm jack (male)
System cable	: Twisted pair (CAT5E, CAT6, etc)
Max. length system cable	: 180 m
Power supply	: 7.5V AC (enclosed)

Type no.	Max. range
AB7215	180m

VGA SIGNAL BOOSTER

This device boosts the incoming VGA signal so it can be used to connect a VGA cable up to 30 metres, for example when an output signal of a system is not strong enough or when exceptional lengths need to be bridged.

Technical specifications

Max. resolution	: 1920x1440 @ 60 Hz
Video input	: 1x HD D-Sub 15-pins (male)
Video output	: 1x HD D-Sub 15-pins (female)
Power supply	: Enclosed

Type no.	Max. range
AB7662	30m

DVI SPLITTER 1-2 AUDIO + TOSLINK

This splitter amplifies and splits a DVI signal to multiple outputs.

Technical specifications

Resolution support	: VGA, SVGA, XGA, SXGA, UXGA
Connections audio	: Coax or digital

Type no.	Type
SC1506	DVI Splitter 1-2 Audio

DVI SPLITTER 1-4

This splitter amplifies and splits a DVI signal to multiple outputs.

Technical specifications

Max. resolution	: 1920x1200
Power supply	: 5V DC @ 1 A (enclosed)

Type no.	Type
SC1507	DVI Splitter 1-4 Audio

DVI + AUDIO SPLITTER

These DVI splitters allow multimedia input to be displayed on mulitple screens simultaneously. The splitters use twisted pair CAT5E or CAT6 cable, allowing high quality images and sound to be transferred over a distance of up to 20 metres. By using the long range receiver (AB7176), even distances of up to 50 metres can be reached. The option of cascading these units make this a solution for nearly every application.

Technical specifications

Max. resolution	: 1280x1024 (with AB7176 max. 1900x1200)
Video in	: 1x DVI-D (female)
Video out	: 1x DVI-D (female)
Power supply	: 5V DC (enclosed)
Cascadable	: 2 Levels maximum

Type no.	Type
AB7164	2-port splitter
AB7166	4-port splitter

DVI LONG RANGE RECEIVER OVER TWISTED PAIR

This DVI long range receiver can be used to increase the maximal cable length of DVI splitters and extenders in the ChainWin series to 50 metres. This long range receiver can also be used to increase the maximal resolution to 1920x1200. The automatic setup and magnetic backplate make this receiver easy to set up and use.

- Magnetic plate and mounting material included.

Technical specifications

Max. resolution	: 1920x1200
Video in	: 1x DVI-D (female)
Video out	: 1x DVI-D (female)
System cable	: Twisted pair (CAT5E, CAT6, etc)
Max. distance	: 45m@1280x1024/1920x1200@25m
Power supply	: 9V DC (enclosed)

Type no.	Type
AB7176	Long range receiver

VGA SPLITTER

Epiphan's VGA Splitter GLI™ splits a VGA source port into one Ground Loop Isolated VGA port, and a second fault-tolerant pass through VGA output port. Unlike traditional Y-splitter cables and active splitters, this product connects to your existing VGA cable, intercepts the VGA signals, amplifies the signals, and then generates a second ground loop isolated VGA output port.

Technical specifications

Max. resolution	: 2048x2048
Video in	: 1x HD D-Sub 15-pins (female)
Video out	: 2x HD D-Sub 15-pins (female)
Power	: 5V DC (enclosed)

Type no.	Supplier no.	Type
EH8007	VGA SPLITTER	VGA Splitter

SPLITTERS

AUDIO/VIDEO SPLITTER

Split an audio/video signal in two and enhance the reach to 65 metres.

- Easy installation.
- Five year warranty.
- Accessible helpdesk.

Technical specifications

Video in	: 1x HD 15 D-Sub female
Max. resolution	: VGA, SVGA, QXGA, UXGA, Multisync

Type no.	Number of output ports
AB7822	2
AB7824	4

400 MHZ VGA SPLITTER

Split your video signal in two and enhance the reach up to 65 metres.

- Multiple splitters cascadable.
- Easy installation.
- Five year warranty.
- Accessible helpdesk.

Technical specifications

Max. resolution	: 2048x1536 @ 60 Hz
Video in	: 1x HD D-Sub 15-pins (female)
Power supply	: 12V DC @ 600 mA (enclosed)

Type no.	Number of output ports
AB7802	2
AB7804	4
AB7808	8

VGA + AUDIO SPLITTER

This VGA and audio splitter sends video and audio signals to multiple displays simultaneously. By using CAT5E or CAT6 cables, the maximal cable length between the transmitter and receiver is 300 metres. This splitter offers - besides the 4, 8 or 16 RJ-45 outputs - also a local VGA and audio output. Bear in mind that the receivers are not supplied with these splitters. Use the AB7180 long range receivers for each display you wish to connect. For additional splitting of signals, the AB7194 or AB7196 can be used.

Technical specifications

Max. resolution	: 1900x1200
Video in	: 1x HD D-Sub 15-pins (male)
Video out	: 1x HD D-Sub 15-pins (female), 4x RJ-45 (female)
System cable	: Twisted pair (CAT5E, CAT6, etc)
Power supply	: 5V DC (enclosed)
Cascadable	: Yes

Type no.	Type
AB7184	4-port splitter
AB7186	8-port splitter
AB7188	16-port splitter

VGA + AUDIO RECEIVER

With this product you can extend your VGA signal up to 300 metres via a CAT5E or CAT6 UTP cable. Includes audio extension.

- Adjustable focus and gain.
- Magnetic bottom and mounting plate for easy mounting.

Technical specifications

Max. resolution	: 1900x1200
Video out	: 1x HD D-Sub 15-pins (female)
Audio out	: 1x 3.5 mm jack (female)
System cable	: CAT5E or CAT6 UTP cable
Max. system cable length	: 300 m
Power supply	: 5V DC (enclosed)

Type no.	Type
AB7180	Receiver

HDMI INPUT SWITCH

With the EM7550 HDMI 2-to-1 SwitchBox from Eminent, you can connect various HDMI sources to an LCD or plasma screen. With a simple push of the button you can select the video source device of your choice.

- Share 2 HDMI sources with a single HDTV/Monitor
- Easy to install and simple to use
- Simply switch by the press of a button
- Ideal for home theater integration, presentation, conference rooms and retail stores

Technical specifications

Max. resolution	: 1280 x 1024 @ 60 Hz
Video in	: 2x HDMI 1.3 (female)
Video out	: 1x HDMI 1.3 (female)
Power supply	: 5V DC (enclosed)

Type no.	Number of input ports
EM7550	2

VGA SELECTOR

This manual VGA selector allows switching between several computers and one monitor or beamer: ideal for presentations. A maximum of 4 computers can be connected to one beamer or monitor. Because of the high VGA bandwidth, this selector is also suitable for LCD screens.

Technical specifications

Video in/out	: HD D-Sub 15-pins (female)
Max. resolution	: 1920x1440 @ 60 Hz
Power supply	: 9V DC

Type no.	Number of input ports
AB7830	4

RCA SELECTOR

This selector allows you to easily switch between two different audio/video sources fitted with Cinch connectors (RCA). The AB7922 and AB7924 are fitted with a solid rotary switch and full metal housing, ensuring their ability to be widely deployed.

Technical specifications

Output	: 3x RCA female
Signal type	: CVBS/audio

Type no.	Number of input ports
AB7922	2
AB7924	4

CONVERTERS

DVI TO VGA VIDEO CONVERTER

Not all screens are equipped with a DVI port, which could be an issue when your solution is designed to be using DVI. Instead of adjusting your choice of devices or purchasing new screens, this high quality DVI to VGA converter is a more flexible solution. It converts a DVI resolution of up to 1920x1200 to a VGA signal.

Technical specifications

Input	: DVI-D
Output	: VGA
Max. resolution	: 1920x1200
Power supply	: Included

Type no.	Supplier no.	Type
KM1141	K469-DV	DVI to VGA converter

HIGH RESOLUTION VIDEO TO VGA CONVERTER

This converter supports both NTSC and PAL. It has an OSD function for an easy setting of brightness, contrast, color, tint, features and resolution. The output frequency is 60 Hz, 70 Hz, 75 Hz and 85 Hz.

- OSD function for easy installation of brightness, contrast, colour and tint.

Technical specifications

Max. resolution	: 1280x1024 @ 85 Hz
Video in	: 1x Composite via BNC (female)
Video out	: 1x Composite via BNC, 1x HD D-Sub 15-pins
Supports	: NTSC and PAL

Type no.	Type
SC1151	High resolution to VGA converter

VGA + AUDIO -> HDMI CONVERTER

The AB7734 is the easiest way to get screen information from your computer display onto your HD television. This unit will take an analogue video input from a 15 pin VGA connector and stereo RCA input and convert these to a digital HDMI signal with stereo output. With support for resolutions up to 1080p and automatic synching, all you have to do is plug it in. No need to worry about complicated graphic card driver setups or breakout boxes and wires.

- Supports HDCP, HDMI compliant.
- Supports HDTV resolutions
- Easy to install, no settings.
- Encodes digital audio onto the video signal for HDMI video and audio.

Technical specifications

Max. resolution	: 1080p @ 60 Hz
Video in	: 1x HD D-Sub 15-pins (female)
Video out	: 1x HDMI (female)
Audio in	: 1x RCA (female)
Power	: 5V DC (enclosed)

Type no.	Type
AB7734	VGA + Audio to HDMI Converter

VGA MATRIX SWITCH

The VGA switch matrix allows switching between 2 computers and 4/8/16 monitors.
Each monitor can be switched to either one of the PCs, independent from the other monitors. The device also amplifies the VGA signals up to 65 metres. It is possible to connect even more monitors by cascading. For optimal picture quality, high-quality VGA coaxial cables with ferrite cores are recommended.

- Cascadable

Technical specifications

Max. resolution	: 1920x1440 @ 60 Hz
Video in	: 2x HD D-Sub 15-pins (female)
Video out	: 4x HD D-Sub 15-pins (female)
Power supply	: 12V DC @ 6 A (enclosed)

Type no.	Type
AB7840	VGA Matrix Switch

VGA TO DVI CONVERTER

Converts an analogue VGA signal to single-link DVI-D so it can be applied to connect digital display devices, e.g. beamers or projectors. It can also be used for digital signal extension, which makes this product suitable for digital signage and narrowcasting solutions.

Technical specifications

Max. resolution	: 1900x1200 @ 60 Hz
Video in	: 1x HD D-Sub 15-pins (female)
Video out	: 1x DVI-D (female)
Maximum length	: 12 m
Power supply	: 9V DC @ 6 A (enclosed)

Type no.	Input interface
AB7900	HD D-sub 15-pins (female)

DVI TO VGA CONVERTER

Converts a single link DVI-D signal to an analog signal so it can be used to connect analog devices.

Technical specifications

Max. resolution	: 1600x1200 @ 60 Hz
Video in	: 1x DVI-D (female)
Video out	: 1x HD D-Sub 15-pins (female)
Max. length	: 12 m
Power supply	: 9V DC @ 6 A (enclosed)

Type no.	Input interface
AB7901	DVI-I single link

DISPLAY ADAPTERS

USB 2.0 MULTI-DISPLAY ADAPTER

With this USB to video adapter you are able to add an extra monitor to your PC. With the DVI to VGA adapter and DVI to HDMI adapter you can add an extra monitor with either a DVI, VGA or HDMI connection. No extra power unit is required. Support for Windows 2000, XP, Vista, Windows 7 and Mac OS X.

Technical specifications

Max. resolution	: 1920x1080 @ 60 Hz
USB in	: Mini USB-B (female)
Video out	: HDMI, DVI or VGA
Power	: Bus powered
OS support	: Windows 2000, XP, Vista, Windows 7 and Mac OS X
Accessories	: USB cable, drivers, DVI to VGA and DVI to HDMI adapter

Type no.	Type
TV2000	Multi Display Adapter